



STIC EIC 2100

Search Request Form

99580
130

Today's Date:

What date would you like to use to limit the search?

Priority Date: 4/10/10 Other:

Name Tam Nguyen
AU 2172 Examiner # 78338
Room # 4930 Phone 305-3735
Serial # 09/545,752

Format for Search Results (Circle One):

PAPER DISK EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB
IEEE INSPEC SPI Other

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

An image copy restore utility configured to apply the detail records to the back-up copy during the read and restore of the back-up copy to thereby create a restore database.

* details record + spill record
* Accumulation (CADs)

STIC Searcher Geoffrey Stelzer Phone 308-7800
Date picked up 7/24/13 Date Completed 7/24/13





STIC Search Report

EIC 2100

STIC Database Tracking Number: 99580

TO: Tam V Nguyen
Location: 4A30
Art Unit : 2172
Thursday, July 24, 2003

Case Serial Number: 09/545752

From: Geoffrey St. Leger
Location: EIC 2100
PK2-4B30
Phone: 308-7800

geoffrey.stleger@uspto.gov

Search Notes

Dear Examiner Nguyen,

Attached please find the results of your Fast & Focused search request for application 09/545752. I searched Dialog's foreign patent files, technical databases, product announcement files and general files; along with ACM and IBM's TDBs.

Please let me know if you have any questions.

Regards,

Geoffrey St. Leger
4B30/308-7800



STIC Search Results Feedback Form

EIC 2100

Questions about the scope or the results of the search? Contact **the EIC searcher or contact:**

**Anne Hendrickson, EIC 2100 Team Leader
308-7831, CPK2-4B40**

Voluntary Results Feedback Form

➤ *I am an examiner in Workgroup:* *Example: 3730*

➤ *Relevant prior art found, search results used as follows:*

- 102 rejection
- 103 rejection
- Cited as being of interest.
- Helped examiner better understand the invention.
- Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- Foreign Patent(s)
- Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ *Relevant prior art not found:*

- Results verified the lack of relevant prior art (helped determine patentability).
- Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/EIC2100 CPK2-4B40





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Search Results

Nothing Found

Your search for **[(detail record* or spill record* or cads or change accumulat*) and image cop*]** did not return any results.

You may revise it and try your search again below or click advanced search for more options.

(detail record* or spill record* or cads or change accumulat*) and image cop*	<input type="checkbox"/>
<input checked="" type="checkbox"/>	SEARCH [Advanced Search] [Search Help/Tips]



Complete Search Help and Tips

The following characters have specialized meaning:

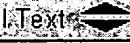
Special Characters	Description
, () [These characters end a text token.
= > < !	These characters end a text token because they signify the start of a field operator. (! is special: != ends a token.)
` @ \Q < { [!	These characters signify the start of a delimited token. These are terminated by the end character associated with the start character.

WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#) [Search Form](#) [Posting Counts](#) [Show S Numbers](#) [Edit S Numbers](#) [Preferences](#) [Cases](#)**Search Results -**

Terms	Documents
l1 and L2	0

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index

Database: [IBM Technical Disclosure Bulletins](#)

Search: [Refine Search](#)
[Recall Text](#)  [Clear](#)

Search History

DATE: **Thursday, July 24, 2003** [Printable Copy](#) [Create Case](#)

Set Name **Query**
side by side*DB=TDBD; PLUR=YES; OP=OR*

		Hit Count	Set Name
<u>L3</u>	l1 and L2	0	<u>L3</u>
<u>L2</u>	image adj cop\$	42	<u>L2</u>
<u>L1</u>	((detail adj record* or spill adj record* or cads or change adj accumulat\$))	114	<u>L1</u>

END OF SEARCH HISTORY

File 347:JAPIO Oct 1976-2003/Mar(Updated 030703)

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File 350:Derwent WPIX 1963-2003/UD,UM &UP=200347

(c) 2003 Thomson Derwent

Set	Items	Description
S1	169	DETAIL?(1W) RECORD? ?
S2	0	SPILL????(1W) RECORD? ?
S3	10433	CAD OR CADS OR CHANGE()ACCUMULAT?
S4	2499	(RECOVER??? OR RESTOR??? OR RESTORATION OR REINSTAT? OR RE- ()INSTAT???) (5N) (DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR DATA()STORE OR FILE? ? OR RECORD? ?)
S5	8782	(BACKUP OR BACK??()UP OR ORIGINAL OR SAVED) (5N) (DATABASE? ? OR DATA()BASE? ? OR REPOSITOR?? OR DATA()STORE OR COPY OR F- ILE? ? OR RECORD? ?)
S6	0	S1(5N)S5(5N) (APPLY??? OR APPLIE? ? OR MERG??? OR COMBIN???- ??? OR COMPOSIT? OR AGGREGAT? OR POOL??? OR CONSOLIDAT? OR AD- D??? OR INTEGRAT? OR INCORPORAT? OR JOIN??? OR UNIT???)
S7	2	S1(10N)S5
S8	0	S1 AND S3
S9	11	(S1 OR S3) AND S4
S10	47	(S1 OR S3) AND S5
S11	48	S9:S10 AND IC=G06F

'File 347:JAPIO Oct 1976-2003/Mar(Updated 030703)

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File 350:Derwent WPIX 1963-2003/UD,UM &UP=200347

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Set	Items	Description
S1	212	IMAGE()COPY
S2	102	DETAIL(1W)RECORD? ?
S3	0	SPILL(1W)RECORD? ?
S4	91	CADS OR CHANGE()ACCUMULAT?
S5	0	S1 AND S2:S4

11/5/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
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07163830 **Image available**
DATA CONVERTER AND DATA CONVERTING METHOD

PUB. NO.: 2002-032214 [JP 2002032214 A]
PUBLISHED: January 31, 2002 (20020131)
INVENTOR(s): NISHIDA SHINYA
APPLICANT(s): SONY CORP
APPL. NO.: 2000-213157 [JP 2000213157]
FILED: July 13, 2000 (20000713)
INTL CLASS: G06F-005/00 ; G06F-011/22

ABSTRACT

PROBLEM TO BE SOLVED: To convert data corresponding to an optional format of **CAD** data and mounter data.

SOLUTION: A filter to discriminate a block of prescribed information is set from data generated in the optional format is preset by a filter setting means 110 and stored in a filter storage means 120. In the case of generating inspection data, original data being an original of the inspection data is inputted from an original data input means 130. The original data is the **CAD** data or the mounter data, etc., described in the optional format. A fundamental data converting means 140 discriminates the block of the prescribed information from the **original data based** on the filter stored in the filter storage means 120 and converts the original data into fundamental data in the predetermined and prescribed format. An inspection data generating part 150 generates the prescribed inspection data from the fundamental data and outputs it to a prescribed output destination by an inspection data output means 160.

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11/5/8 (Item 8 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

05986159 **Image available**
COMPUTER SYSTEM

PUB. NO.: 10-269259 [JP 10269259 A]
PUBLISHED: October 09, 1998 (19981009)
INVENTOR(s): KUSHIMA YUKI
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 09-070055 [JP 9770055]
FILED: March 24, 1997 (19970324)
INTL CLASS: [6] G06F-017/50 ; G06T-007/00
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 45.9 (INFORMATION PROCESSING -- Other)
JAPIO KEYWORD: R060 (MACHINERY -- Automatic Design)

ABSTRACT

PROBLEM TO BE SOLVED: To make it easy to find alteration in quality and to reduce the repairing operation on a **CAD** software running computer at a conversion destination, by visualizing information absence and alteration in quality which are caused by conversion when drawing data are transferred between **CAD** software running computers.

SOLUTION: From a **CAD** software CAD1 running computer 1 and a **CAD** software CAD2 running computer 3, data are converted into basic figure image data and auxiliary figures in print image form and **saved** in a **file** device of a data difference display device 4. Consequently, the same drawing data of both the computers 1 and 3 can be displayed at the same time and compared. Therefore, even a drawing showing a complicated machine

shape can be compared efficiently and absence and alteration in quality of drawing data due to CAD data conversion by CAD data converting software are never overlooked.

11/5/13 (Item 13 from file: 347)
DIALOG(R) File 347:JAPIO
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04660247 **Image available**
BLOCK COPY DATA PRODUCING DEVICE

PUB. NO.: 06-332147 [JP 6332147 A]
PUBLISHED: December 02, 1994 (19941202)
INVENTOR(s): MIKASA YUZO
SUZUKI SUNAO
SUZUKI MASAYUKI
APPLICANT(s): TOPPAN PRINTING CO LTD [000319] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 05-121772 [JP 93121772]
FILED: May 24, 1993 (19930524)
INTL CLASS: [5] G03F-001/00; G06F-015/60
JAPIO CLASS: 29.1 (PRECISION INSTRUMENTS -- Photography & Cinematography);
45.4 (INFORMATION PROCESSING -- Computer Applications)
JAPIO KEYWORD: R139 (INFORMATION PROCESSING -- Word Processors)

ABSTRACT

PURPOSE: To reduce the burden of a worker by utilizing the data of a character or a graphic inputted from a CAD or the like as an original for a block copy as for a block copy data producing device.

CONSTITUTION: A sorting means 8 sorting the plural graphic data provided with a graphic attribute to plural groups by the common graphic attribute, an editing means 12 adding a printing attribute to the sorted graphic data to every group and a page-up means 19 arranging the edited graphic data at a position decided by a layout instruction means 18 and producing block copy data are provided. Then, the block copy data is quickly produced by adding the printing attribute to the plural graphic data together

11/5/28 (Item 3 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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015393635 **Image available**
WPI Acc No: 2003-455776/200343
XRPX Acc No: N03-362386

Merge end point establishing system for database management system, has database recovery control to derive minimum log end point from most recent log volume end-start point to be merge end point
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: PERRY F S
Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6526417	B1	20030225	US 2000491002	A	20000125	200343 B

Priority Applications (No Type Date): US 2000491002 A 20000125

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6526417	B1	12		G06F-017/30	

Abstract (Basic): US 6526417 B1

NOVELTY - A log archive derives a log volume end-start point for stored log volumes. A database recovery control (DBRC) stores the received log volume end-start point and derives minimum log volume end-start point from the most recent log volume end-start point for database management system (DBMS), to be the merge end point.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) merge end point establishing method; and
- (2) recorded medium storing merge end point establishing program.

USE - For database management system.

ADVANTAGE - Reduces the number of unmergeable log records by selecting the latest merge end point accurately. Also increases the number of mergeable updates incorporated into detail records to expedite any future accumulation or recovery.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram of the merge end point establishing process.

pp; 12 DwgNo 5/5

Title Terms: MERGE; END; POINT; ESTABLISH; SYSTEM; DATABASE; MANAGEMENT; SYSTEM; DATABASE; RECOVER; CONTROL; DERIVATIVE; MINIMUM; LOG; END; POINT; RECENT; LOG; VOLUME; END; START; POINT; MERGE; END; POINT

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

11/5/33 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014595393 **Image available**

WPI Acc No: 2002-416097/200244

XRPX Acc No: N02-327399

Original and electronic documents archiving system e.g. for insurance and medical diagnostics, groups documents based on date and time identifiers of each document

Patent Assignee: PAPERCOMP INC (PAPE-N)

Inventor: ALTMAN G

Number of Countries: 092 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200223399	A1	20020321	WO 2000US25451	A	20000917	200244 B
AU 200075859	A	20020326	AU 200075859	A	20000917	200251
			WO 2000US25451	A	20000917	

Priority Applications (No Type Date): WO 2000US25451 A 20000917

Patent Details:

Patent No	Kind	Lan	Pg	Main	IPC	Filing Notes
WO 200223399	A1	E	40	G06F	017/30	

WO 200223399 A1 E 40 G06F-017/30

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200075859 A G06F-017/30 Based on patent WO 200223399

Abstract (Basic): WO 200223399 A1

NOVELTY - The paper documents (38) and scanned electronic documents are combined into virtual groups based on the date and time identifiers, and paper documents are collected in the folders (44).

Labels indicating the identifiers are affixed to the folders.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Document storage and retrieval system;
- (b) Database system;
- (c) Digital system for electronic document collection;
- (d) Electronic document collection process

USE - For archiving original documents and electronic documents such as scanned documents and graphics file produced by CAD for back-up in commercial, financial and insurance dealings, internet transactions, back-up for technical graphics, precision photographs, medical diagnostics and in large organizations.

ADVANTAGE - The archiving and retrieval of the original documents

are made easier by classifying them based on date and time identifiers.

DESCRIPTION OF DRAWING(S) - The figure shows the outline model of the archiving system.

Paper documents (38)

Folders (44)

pp; 40 DwgNo 1/16

Title Terms: ORIGINAL; ELECTRONIC; DOCUMENT; SYSTEM; INSURANCE; MEDICAL; DIAGNOSE; GROUP; DOCUMENT; BASED; DATE; TIME; IDENTIFY; DOCUMENT

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

11/5/37 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014179899 **Image available**

WPI Acc No: 2002-000596/200201

XRPX Acc No: N02-000402

Corrupt database file recovery apparatus uses change accumulation manager to read file in parallel with reading and recovery of secure copy

Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC)

Inventor: MOORE D W

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 10112941	A1	20011018	DE 1012941	A	20010317	200201 B
CN 1317742	A	20011017	CN 2001116278	A	20010409	200213

Priority Applications (No Type Date): US 2000545752 A 20000410

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

DE 10112941 A1 16 G06F-017/30

CN 1317742 A G06F-011/14

Abstract (Basic): DE 10112941 A1

NOVELTY - The apparatus includes a memory for storing executable modules, the modules comprising a recovering utility program having a secure copy recovery utility program for reading and **recovering** a secure copy of the **database** file. A **change accumulation** manager reads an accumulation file for changes in parallel with the reading and recovery of the secure copy, to derive detailed data sets. An image copier-recovery utility program uses the detailed data sets during the reading and recovery of the secure copy, to produce a **recovered database file**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for a method of **recovering** a corrupt **database**, and for a computer readable medium storing instructions for performing the method.

USE - Database management.

ADVANTAGE - Substantially reduces the **recovering** time after **database** failure.

DESCRIPTION OF DRAWING(S) - The drawing shows a flow diagram representing the method.

pp; 16 DwgNo 5/5

Title Terms: CORRUPT; DATABASE; FILE; RECOVER; APPARATUS; CHANGE;

ACCUMULATE; MANAGE; READ; FILE; PARALLEL; READ; RECOVER; SECURE; COPY

Derwent Class: T01

International Patent Class (Main): G06F-011/14 ; G06F-017/30

International Patent Class (Additional): G06F-012/16

File Segment: EPI

11/5/40 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012933351 **Image available**

WPI Acc No: 2000-105198/200009

XRPX Acc No: N00-080825

Multi record information compressing method in relational database

Patent Assignee: AT & T CORP (AMTT)

Inventor: LYONS K B

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6006232	A	19991221	US 97954965	A	19971021	200009 B

Priority Applications (No Type Date): US 97954965 A 19971021

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6006232	A	9		G06F-017/30	

Abstract (Basic): US 6006232 A

NOVELTY - Binary objects including multiple record portions of unnormalized database table, are constructed and compressed independently to exactly reconstruct original data. Another database table is constructed from binary objects, with shared attribute values and corresponding binary object being compressed. The table stores the shared attributes and information required to access the compressed binary objects.

DETAILED DESCRIPTION - A subset of the stored attribute values are included in each binary object, using which indices are constructed. The two tables are stored in a hard disk or an electronic memory.

An INDEPENDENT CLAIM is also included for information processing system.

USE - For compressing multi records in relational database, for use in database of network call detail records in telephony applications such as customer case for billing.

ADVANTAGE - Effects multi record compression, while maintaining index ability and satisfactory access times. The storage cost of leaving data unnormalized is avoided if partial rows with repeated fields are stored. Maintains table access times at values less than average disk access time, since the table opening time is in the order of 1 ms in tested implementation. Since cost is low, multiple copies of data are run.

DESCRIPTION OF DRAWING(S) - The figure shows the multi record compression.

pp; 9 DwgNo 2/7

Title Terms: MULTI; RECORD; INFORMATION; COMPRESS; METHOD; RELATED; DATABASE

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

11/5/41 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012657721 **Image available**

WPI Acc No: 1999-463826/199939

XRPX Acc No: N99-347495

Master file updating technique used in CAD - involves restoring divided master file based on annexation result, which is performed according to data element currently stored in memory

Patent Assignee: NEC CORP (NIDE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11194965	A	19990721	JP 97367972	A	19971226	199939 B

Priority Applications (No Type Date): JP 97367972 A 19971226

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
JP 11194965 A 7 G06F-012/00

Abstract (Basic): JP 11194965 A

NOVELTY - Master file (MF1) is updated according to the contents currently stored in a memory (12). Then, the master file is divided by a dividing unit (13), after which annexation of data element is carried out. A restoration unit (15) restores the master file according to the annexation result. DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for recording medium in which program for master file renewal is stored.

USE - For updating master file which stores information corresponding to shape of fittings such as aluminum sash and door in computer equipped with CAD.

ADVANTAGE - Carries out easy updation of master file. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of updation unit.

(12) Memory; (13) Dividing unit; (15) Restoration unit.

Dwg.2/9

Title Terms: MASTER; FILE; UPDATE; TECHNIQUE; CAD ; RESTORATION; DIVIDE; MASTER; FILE; BASED; ANNEX; RESULT; PERFORMANCE; ACCORD; DATA; ELEMENT; CURRENT; STORAGE; MEMORY

Derwent Class: T01

International Patent Class (Main): G06F-012/00

File Segment: EPI

11/5/45 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010516221 **Image available**

WPI Acc No: 1996-013172/199602

XRPX Acc No: N96-011299

Trouble recovery type database system for CAD - has provision to access database by continuous processing even during trouble generation

Patent Assignee: HITACHI LTD (HITA)

Number of Countries: 001 Number of Patents: .001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7262066	A	19951013	JP 9452314	A	19940323	199602 B

Priority Applications (No Type Date): JP 9452314 A 19940323

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
JP 7262066 A 9 G06F-012/00

Abstract (Basic): JP 7262066 A

The trouble recovery type database system consists of two data bases (1,2) connected to servers (3,4) respectively. The servers are connected to each other through a network (11). A client device (5) and a process manager device (8) are connected to the servers through networks (6,7,9,10). One server accesses the original network database while the other contains the duplicate data. Each server registers the history of requests received from the client in separate log files (12,13).

When database is terminated due to error generated, a logging device is activated. The logging device performs the automatic recovery of the affected server. The recovery process is concealed to the user since the normal server accepts the requests from the client. Once the affected server is completely rectified it receives the requests from the client.

USE/ADVANTAGE - For online bank transaction. Provides compatibility between computers of different capacities. Enables continuous processing even though database gets corrupted. Provides reliable operation.

Dwg.1/7

Title Terms: TROUBLE; RECOVER; TYPE; DATABASE; SYSTEM; CAD ; PROVISION; ACCESS; DATABASE; CONTINUOUS; PROCESS; EVEN; TROUBLE; GENERATE

File 348:EUROPEAN PATENTS 1978-2003/Jul W02
(c) 2003 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20030717,UT=20030710
(c) 2003 WIPO/Univentio

Set	Items	Description
S1	1074	DETAIL?(1W)RECORD? ?
S2	1	SPILL????(1W)RECORD? ?
S3	8975	CAD OR CADS OR CHANGE()ACCUMULAT?
S4	2881	(RECOVER??? OR RESTOR??? OR RESTORATION OR REINSTAT? OR RE- ()INSTAT???) (5N) (DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR DATA()STORE OR FILE? ? OR RECORD? ?)
S5	13089	(BACKUP OR BACK???) (UP OR ORIGINAL OR SAVED) (5N) (DATABASE? ? OR DATA()BASE? ? OR REPOSITOR???) OR DATA()STORE OR COPY OR F- ILE? ? OR RECORD? ?)
S6	3	S1(5N)S5(5N) (APPLY??? OR APPLIE? ? OR MERG??? OR COMBIN???- ??? OR COMPOSIT? OR AGGREGAT? OR POOL??? OR CONSOLIDAT? OR AD- D??? OR INTEGRAT? OR INCORPORAT? OR JOIN??? OR UNIT???)
S7	0	S1(S)S2
S8	7	S1:S2(S)S3
S9	18	S1(10N)S5
S10	129	S1:S3(S) (S4 OR S5)
S11	174	CADS OR CHANGE()ACCUMULAT?
S12	47	(S1:S2 OR S11) (S)S4:S5
S13	32	S12 AND IC=G06F

6/5,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00806384

NETWORK AND LIFE CYCLE ASSET MANAGEMENT IN AN E-COMMERCE ENVIRONMENT AND
METHOD THEREOF
GESTION D'ACTIFS DURANT LE CYCLE DE VIE ET EN RESEAU DANS UN ENVIRONNEMENT
DE COMMERCE ELECTRONIQUE ET PROCEDE ASSOCIE

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,
2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139030 A2 20010531 (WO 0139030)

Application: WO 2000US32324 20001122 (PCT/WO US0032324)

Priority Application: US 99444775 19991122; US 99447621 19991122

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK
DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR
TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 171499

English Abstract

French Abstract

Legal Status (Type, Date, Text)

Publication 20010531 A2 Without international search report and to be
republished upon receipt of that report.

Examination 20010913 Request for preliminary examination prior to end of
19th month from priority date

Declaration 20021024 Late publication under Article 17.2a

Republication 20021024 A2 With declaration under Article 17(2)(a); without
abstract; title not checked by the International
Searching Authority.

Fulltext Availability:

Detailed Description

Detailed Description

... persons skilled in the relevant arts.

Call Record Format

This embodiment provides the switches of a telecommunication network with
nine (9) different record formats. These records include: Call Detail
Record (CDR), Expanded Call Detail Record (ECDR), Private Network
Record (PNR), Expanded Private Network Record (EPNR), Operator Service
Record (OSR), Expanded Operator Service Record (EOSR), Private Operator
Service Record (POSR), Expanded...

6/5,K/2 (Item 2 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00761429

METHODS, CONCEPTS AND TECHNOLOGY FOR A VIRTUAL SHOPPING SYSTEM CAPABLE OF ASSESSING NEEDS OF A CUSTOMER AND RECOMMENDING A PRODUCT OR SERVICE BASED ON SUCH ASSESSED NEEDS

PROCEDES, CONCEPTS ET TECHNOLOGIE POUR SYSTEME D'ACHAT VIRTUEL CAPABLE D'EVALUER LES BESOINS D'UN CLIENT ET DE RECOMMANDER UN PRODUIT OU UN SERVICE SUR LA BASE DE CES BESOINS

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,
Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073955 A2 20001207 (WO 0073955)
Application: WO 2000US14357 20000524 (PCT/WO US0014357)
Priority Application: US 99321495 19990527

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE
DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI
SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description
Claims

Fulltext Word Count: 148469

English Abstract

French Abstract

La presente invention concerne un systeme permettant de realiser des transactions commerciales virtuelles apres identification des besoins de l'utilisateur. Tout d'abord, le systeme evalue les besoins d'un utilisateur. Il genere ensuite, sur la base des besoins de l'utilisateur, une solution, qui est affichee. Un paiement est alors accepte en echange de la solution. Il convient de noter que dans le cadre du present descriptif de l'invention, ladite solution est, mais pas exclusivement, un produit ou un service.

Legal Status (Type, Date, Text)

Publication 20001207 A2 Without international search report and to be republished upon receipt of that report.

Examination 20010301 Request for preliminary examination prior to end of 19th month from priority date

Declaration 20010802 Late publication under Article 17.2a

Republication 20010802 A2 With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.

Fulltext Availability:

Detailed Description

Detailed Description

... a flowchart illustrating the method for selling products in accordance with one embodiment of the present invention;
Figure 1G-1 is a flowchart providing more detail of the method for selling products
in accordance with one embodiment of the present invention;
Figure IH is a flowchart illustrating the method of identifying...

6/5,K/3 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00758802 **Image available**
METHOD AND APPARATUS FOR SELECTING AGGREGATE LEVELS AND CROSS PRODUCT LEVELS FOR A DATA WAREHOUSE
PROCEDE ET DISPOSITIF DE SELECTION DE NIVEAUX D'AGREGATS ET DE PRODUITS CROISES POUR UN ENTREPOT DE DONNEES

Patent Applicant/Assignee:

PLATINUM TECHNOLOGY IP INC, One computer Associates Plaza, Islandia, NY 11749, US, US (Residence), US (Nationality)

Inventor(s):

LORE Michael Dean, 22714 Hockaday Drive, Katy, TX 77450, US
TSE Eva Man-Yan, 1835 American Elm Court, Sugar Land, TX 77479, US

Legal Representative:

JOHNSTON R Blake, Piper Marbury Rudnick & Wolfe, P.O. Box 64807, Chicago, IL 60664-0807, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200072201 A1 20001130 (WO 0072201)

Application: WO 2000US14099 20000519 (PCT/WO US0014099)

Priority Application: US 99317247 19990524

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/30

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 12576

English Abstract

A method for defining aggregate levels (Fig. 2B), aggregate sub-levels, and cross product levels to be used for aggregation in a data store having one or more dimensions (Figure 2A). Levels are defined corresponding to attributes in the dimension, so that data can be aggregated into aggregates corresponding to values of those attributes (Figure 3A and 3B).

French Abstract

L'invention concerne un procede permettant de definir des niveaux d'agregats (figure 2B), des sous-niveaux d'agregats, et des niveaux de produits croises destines a etre utilises dans une memoire de donnees ayant une ou plusieurs dimensions (figure 2A). Les niveaux sont definis par rapport a des attributs dans la dimension, ce qui permet d'assembler les donnees en agregats correspondant a des valeurs de ces attributs (figures 3A et 3B).

Legal Status (Type, Date, Text)

Publication 20001130 A1 With international search report.

Fulltext Availability:

Detailed Description

Detailed Description
... Closes the provider.

8) RecordCollector

The RecordCollector is an abstract object that knows what to do with the results of detail processing. The RecordCollector receives records representing **aggregate** dimension records and **detail** dimension **records**. In the presently preferred implementation, the system maintains the generated **aggregate** **records** and the **original** **detail** **records** in a large data file. The specific utilization of the records is implementation-specific; this document describes how the aggregate records are identified via the...

9/5, K/5 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00891386 **Image available**

A METHOD FOR VISUALIZING DATA BACKUP ACTIVITY FROM A PLURALITY OF BACKUP DEVICES

PROCEDE POUR VISUALISER UNE ACTIVITE DE SAUVEGARDE DE DONNEES A PARTIR DE PLUSIEURS DISPOSITIFS DE SAUVEGARDE

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200225498 A1 20020328 (WO 0225498)

Application: WO 2001US29434 20010919 (PCT/WO US0129434)

Priority Application: US 2000665270 20000919; US 2000665269 20000919; US
2000665267 20000919

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/30

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9655

English Abstract

A method and system for examining records of backup activity consolidated from a plurality of backup engines (BT), utilizing a data processing system, is disclosed. In the first aspect, a method comprises the steps of reorganizing records of backup activity originating from a plurality of backup engines into unique visual representation to facilitate the speedy and reliable identification of backup activity failure. The method also includes sending prepared request (F7) from BRG to RDB, and then receiving (G1) data from RDB. In another aspect, it is disclosed a method of representing a uniquely high number of levels of data extraction relating to backup successes and failure.

French Abstract

Cette invention se rapporte a un procede et a un systeme servant a examiner les enregistrements d'une activite de sauvegarde consolidee par plusieurs moteurs de sauvegarde (BT), utilisant un systeme de traitement de donnees. Dans son premier aspect, un tel procede consiste a reorganiser les enregistrements de l'activite de sauvegarde provenant de plusieurs moteurs de sauvegarde en une representation visuelle unique, afin de faciliter l'identification rapide et fiable des erreurs de l'activite de sauvegarde. Ce procede consiste egalement a envoyer une demande preparee (F7) a partir d'une interface graphique de rapport de sauvegarde (BRG) vers une base de donnees relationnelle (RDB), puis a recevoir (G1) les donnees provenant de la base de donnees relationnelle (RDB). Dans un autre de ses aspects, cette invention concerne un procede servant a representer un nombre eleve unique de niveaux d'extraction de donnees concernant les echecs et les succes d'une activite de sauvegarde.

Legal Status (Type, Date, Text)

Publication 20020328 A1 With international search report.
Examination 20021107 Request for preliminary examination prior to end of
19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... is sent to the database. This is another SQL statement, and this request is for **detailed**, **record -by- record** data about the **backup** activity for that server, client and target for that day. The SQL statement typically will...

9/5,K/7 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
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00761429

METHODS, CONCEPTS AND TECHNOLOGY FOR A VIRTUAL SHOPPING SYSTEM CAPABLE OF ASSESSING NEEDS OF A CUSTOMER AND RECOMMENDING A PRODUCT OR SERVICE BASED ON SUCH ASSESSED NEEDS

PROCEDES, CONCEPTS ET TECHNOLOGIE POUR SYSTEME D'ACHAT VIRTUEL CAPABLE D'EVALUER LES BESOINS D'UN CLIENT ET DE RECOMMANDER UN PRODUIT OU UN SERVICE SUR LA BASE DE CES BESOINS

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

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MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,
BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,

Legal Representative:

BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,
Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073955 A2 20001207 (WO 0073955)

Application: WO 2000US14357 200000524 (PCT/WO US0014357)

Priority Application: US 99321495 19990527

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE
DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI
SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 148469

English Abstract

French Abstract

La presente invention concerne un systeme permettant de realiser des transactions commerciales virtuelles apres identification des besoins de l'utilisateur. Tout d'abord, le systeme evalue les besoins d'un utilisateur. Il genere ensuite, sur la base des besoins de l'utilisateur, une solution, qui est affichee. Un paiement est alors accepte en echange de la solution. Il convient de noter que dans le cadre du present descriptif de l'invention, ladite solution est, mais pas exclusivement, un produit ou un service.

Legal Status (Type, Date, Text)
Publication 20001207 A2 Without international search report and to be republished upon receipt of that report.
Examination 20010301 Request for preliminary examination prior to end of 19th month from priority date
Declaration 20010802 Late publication under Article 17.2a
Republication 20010802 A2 With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.

Fulltext Availability:

Detailed Description

Detailed Description

... with one embodiment of the present invention;
Figure 1G-1 is a flowchart providing more detail of the method for selling products
in accordance with one embodiment of the present invention...

9/5,K/8 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
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00758802 **Image available**

METHOD AND APPARATUS FOR SELECTING AGGREGATE LEVELS AND CROSS PRODUCT LEVELS FOR A DATA WAREHOUSE

PROCEDE ET DISPOSITIF DE SELECTION DE NIVEAUX D'AGREGATS ET DE PRODUITS CROISES POUR UN ENTREPOT DE DONNEES

Patent Applicant/Assignee:

PLATINUM TECHNOLOGY IP INC, One computer Associates Plaza, Islandia, NY 11749, US, US (Residence), US (Nationality)

Inventor(s):

LORE Michael Dean, 22714 Hockaday Drive, Katy, TX 77450, US
TSE Eva Man-Yan, 1835 American Elm Court, Sugar Land, TX 77479, US

Legal Representative:

JOHNSTON R Blake, Piper Marbury Rudnick & Wolfe, P.O. Box 64807, Chicago, IL 60664-0807, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200072201 A1 20001130 (WO 0072201)

Application: WO 2000US14099 20000519 (PCT/WO US0014099)

Priority Application: US 99317247 19990524

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/30

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 12576

English Abstract

A method for defining aggregate levels (Fig. 2B), aggregate sub-levels, and cross product levels to be used for aggregation in a data store having one or more dimensions (Figure 2A). Levels are defined corresponding to attributes in the dimension, so that data can be aggregated into aggregates corresponding to values of those attributes (Figure 3A and 3B).

French Abstract

L'invention concerne un procede permettant de definir des niveaux

d'agregats (figure 2B), des sous-niveaux d'agregats, et des niveaux de produits croises destines a etre utilises dans une memoire de donnees ayant une ou plusieurs dimensions (figure 2A). Les niveaux sont definis par rapport a des attributs dans la dimension, ce qui permet d'assembler les donnees en agregats correspondant a des valeurs de ces attributs (figures 3A et 3B).

Legal Status (Type, Date, Text)

Publication 20001130 A1 With international search report.

Fulltext Availability:

Detailed Description

Detailed Description

... and detail

dimension records. In the presently preferred implementation, the system maintains the generated aggregate **records** and the **original detail records** in a large data file. The specific utilization of the records is implementation-specific; this...

...the level rules and detail data, and the aggregate dimension records and their relationship to **detail records** is saved by the RecordCollector. After this process is performed for all dimensions, the level groups...

9/5,K/9 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00753791 **Image available**

INTERNET-BASED COMMERCE SYSTEM
SYSTEME DE COMMERCE VIA INTERNET

Patent Applicant/Assignee:

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(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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, US (Nationality), (Designated only for: US)

TOLLEFSON Kenneth D, 12125 Salix Court, San Diego, CA 92129, US, US
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Legal Representative:

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Angeles, CA 90071-2066, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200067171 A1 20001109 (WO 0067171)

Application: WO 2000US11099 20000425 (PCT/WO US0011099)

Priority Application: US 99132337 19990503; US 2000477054 20000103

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE
DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 11287

English Abstract

An internet-based commerce system (100) simultaneously usable by multiple purchasing organizations (112) and multiple vendors (114) while controlled by a virtual single server and database is disclosed. The

commerce system handles the requisitions for goods and services by system users within an purchasing organization and directs requisitions to other users for approval within that purchasing organization using approval routes electronically established within the database. Requisitions are electronically processed into Requests for Quotation (RFQ), Requests for Information (RFI) or Requests for Bid (RFB) that are then released to the internet for electronic responses by users representing vendors who access the system. Vendors with profiles matching the requests are notified preferably through response-prompting e-mail. Using the system, buyer users for purchasing organizations process electronic responses into awards. The system then notifies the awardees and other vendors.

French Abstract

L'invention concerne un systeme de commerce via Internet (100) pouvant etre simultanement utilise par de multiples organisations d'achat (112) et de multiples vendeurs (114) et commande par un seul serveur virtuel et une base de donnees associee. Ce systeme de commerce gere les commandes de biens et services effectuees par les utilisateurs du systeme au sein d'une organisation d'achat et adresse ces commandes a d'autres utilisateurs au sein de cette organisation d'achat en vue d'une approbation via des methodes d'approbation electroniques etablies dans la base de donnees. Ces commandes sont traitees par voie electronique et transformees en demandes de prix (DP), en demandes d'informations (DI) ou en demandes d'offres (DO) qui sont ensuite accessibles sur Internet afin que les utilisateurs representant les vendeurs repondent par message electronique. Les vendeurs, dont les profils correspondent aux demandes, sont avertis de preference par courrier electronique les invitant a repondre au courrier. Grace a ce systeme, les utilisateurs acheteurs traitent les reponses electronique et en acceptent certaines. Le systeme notifie alors les vendeurs selectionnes et les autres vendeurs.

Legal Status (Type, Date, Text)

Publication 20001109 A1 With international search report.

Publication 20001109 A1 With amended claims.

Examination 20010222 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... dealing with public agencies. The vendor response data is then stored in an RFX Response **Detail record**, which collects all of the vendor responses 704. This new **record** is linked with the **original REX record** by the original RFX record reference number. This record will continue to store...the buyer selects an awardee, the commerce system 100 creates a Purchase Order (P.O.) **Detail Record** that is linked by reference number to the **original RFX record** 712. With the creation of this record, the commerce system 100 sends the buyer an...

9/5,K/12 (Item 9 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00459361 **Image available**

EXTRACTION OF DESIRED DATA FROM DATA FLOW

EXTRACTION DE DONNEES SOUHAITEES DEPUIS UN FLUX DE DONNEES

Patent Applicant/Assignee:

NOKIA TELECOMMUNICATIONS OY,
JARVI Jukka,
POIKOLAINEN Kimmo,

Inventor(s):

JARVI Jukka,
POIKOLAINEN Kimmo,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9849825 A1 19981105

Application: WO 98FI289 19980401 (PCT/WO FI9800289)

Priority Application: FI 971621 19970416
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US
UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
ML MR NE SN TD TG

Main International Patent Class: H04M-015/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6654

English Abstract

In known telephone systems it is very difficult to change call detailed records CDR formatted from a raw data flow. In the proposed method, the exchange supplier formats a special mother form, which is a file and which shows in plain language (in ASCII form) all names and parameters of fields in the raw data flow. The operator has a program using a graphic interface and showing the mother form in the display. Beside it a user form blank is seen and the user selects the fields he desires simply by dragging with the mouse the field of his choice from the mother form into the user form and by dropping the field here (drag and drop). In this manner the user formats his own form, which contains such data only which he wishes to have in the CDR. When the user form has arrived at the telephone exchange and at the billing centre, it can be activated at any time. The formatting process hereby extracts from the raw data flow the data corresponding to fields stated in the form, thus formatting the CDR and sends it to the billing centre, which using the same form made by the user will interpret the data contained in the received CDR, that is, it creates fields and attaches data belonging to fields from the CDR. Thus, the names of fields are not transferred from the exchange to the billing centre.

French Abstract

Dans des systemes telephoniques connus, il est tres difficile de modifier les enregistrements detailles d'appels (CDR) formates a partir d'un flux de donnees brutes. Selon ce procede, le fournisseur de services formate une formule matrice speciale qui est un fichier et qui presente en langage simple (ASCII) tous les noms et tous les parametres de champ du flux de donnees brutes. L'operateur possede un programme mettant en application une interface graphique et montrant cette formule matrice sur l'affichage. A cote de ce document, on voit une formule vierge d'utilisateur et ce dernier selectionne les champs qu'il desire en attrirant au moyen de la souris le champ de son choix depuis la formule matrice vers l'interieur de la formule d'utilisateur et en lachant le champ dans cette derniere. De ce fait, l'utilisateur formate sa propre formule ne contenant que les donnees qu'il souhaite etre presentes dans le CDR. Quand la formule d'utilisateur est arrivee au niveau du central telephonique et du centre de facturation, on peut la mettre en service a tout moment. Ce procede de formatage permet d'extraire du flux de donnees brutes les donnees correspondant a des champs indiques dans la formule, et, par consequent, de formater le CDR et de l'envoyer au centre de facturation, qui, au moyen de la meme formule elaboree par l'utilisateur, interprétera les donnees contenues dans le CDR recu, c'est a dire qu'il creera des champs et reliera les donnees appartenant aux champs depuis le CDR. Ceci evite de transferer les noms des champs depuis le central jusqu'au centre de facturation.

Fulltext Availability:

Detailed Description

Detailed Description

... etc. In fixed network applications there are about 30 different formatting bases. The formatted call detailed records are first saved in the memory and are then sent to the centralised billing system, where they are...

9/5,K/18 (Item 15 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00207478 **Image available**

TRANSACTION PROCESSOR
PROCESSEUR DE TRANSACTIONS

Patent Applicant/Assignee:
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Inventor(s):

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ASH Rami,
AVILA Gregory Fernando,
BARTSCH Paula L,
BIRDIE Khurshed F,
BIRSCHBACH Michael,
BLAIR Mark H,
BORROR Jeffrey,
BRADLEY Karen Susan,
BRENNEN Andrew,
BROWN Todd,
CAMPBELL James,
CARELLA Joseph L,
CASE Stephen P,
CHIAPPETTA Wayne,
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COMMERFOD JoEllen,
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EISENBERG Ivy Mae,
FERRUCCI Charlotte M,
FIDUCCIA Frank J,
FRIEDMAN Jacob,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9204679 A1 19920319
Application: WO 91US6279 19910830 (PCT/WO US9106279)
Priority Application: US 90689 19900831

Designated States: AT AU BE CA CH DE DK ES FR GB GR HU IT JP KR LU NL SE SU

Main International Patent Class: G06F-015/21

Publication Language: English

Fulltext Availability:

Detailed Description
Claims

Fulltext Word Count: 48269

English Abstract

A transaction processor (2) utilized in a multi-environment computer hardware system (1) that permits an integrated way to process and track the many transaction events related to running a business or organization, such as a securities trading firm. The transaction processor (2) permits centralized storage of transaction data for integrated access by programmed modules (6) tracking different transaction events.

French Abstract

Processeur (2) de transactions utilise dans un systeme (1) de materiel informatique multi-environnement permettant de traiter et de suivre de maniere integree les nombreux evenements de transaction associes a la gestion d'une entreprise ou d'une organisation telle qu'une societe de commerce de titres. Le processeur (2) de transactions permet le stockage centralise de donnees de transaction en vue d'un acces integre par des modules programmes (6) suivant differents evenements de transaction.

Fulltext Availability:

Detailed Description

Detailed Description

... every clearance main file 1010 record. Activities which result in the creation of a clearance **detail records** include: 1) the **original** booking of the trade; 2) a trade cancellation or correction; 3) a transmission of a...

13/5, K/19 (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00758802 **Image available**
METHOD AND APPARATUS FOR SELECTING AGGREGATE LEVELS AND CROSS PRODUCT
LEVELS FOR A DATA WAREHOUSE
PROCEDE ET DISPOSITIF DE SELECTION DE NIVEAUX D'AGREGATS ET DE PRODUITS
CROISES POUR UN ENTREPOT DE DONNEES

Patent Applicant/Assignee:

PLATINUM TECHNOLOGY IP INC, One computer Associates Plaza, Islandia, NY
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Inventor(s):

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TSE Eva Man-Yan, 1835 American Elm Court, Sugar Land, TX 77479, US

Legal Representative:

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IL 60664-0807, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200072201 A1 20001130 (WO 0072201)
Application: WO 2000US14099 20000519 (PCT/WO US0014099)
Priority Application: US 99317247 19990524

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/30

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description
Claims

Fulltext Word Count: 12576

English Abstract

A method for defining aggregate levels (Fig. 2B), aggregate sub-levels, and cross product levels to be used for aggregation in a data store having one or more dimensions (Figure 2A). Levels are defined corresponding to attributes in the dimension, so that data can be aggregated into aggregates corresponding to values of those attributes (Figure 3A and 3B).

French Abstract

L'invention concerne un procede permettant de definir des niveaux d'agregats (figure 2B), des sous-niveaux d'agregats, et des niveaux de produits croises destines a etre utilises dans une memoire de donnees ayant une ou plusieurs dimensions (figure 2A). Les niveaux sont definis par rapport a des attributs dans la dimension, ce qui permet d'assembler les donnees en agregats correspondant a des valeurs de ces attributs (figures 3A et 3B).

Legal Status (Type, Date, Text)

Publication 20001130 A1 With international search report.

Main International Patent Class: G06F-017/30

Fulltext Availability:

Detailed Description

Detailed Description

... "up" to get the aggregates identified by the aggregate dimension record for that level.

A **detail dimension record** is considered eligible to participate in a level if it could meet the conditions of...

'...of attribute values where the attributes are used in the level rule. Note that aggregate **records** are generated based on distinct **original** attribute values, not on the attribute expression in a rule item. For instance, if the...and detail dimension records. In the presently preferred implementation, the system maintains the generated aggregate **records** and the **original detail records** in a large data file. The specific utilization of the records is implementation-specific; this...

...the level rules and detail data, and the aggregate dimension records and their relationship to **detail records** is saved by the RecordCollector. After this process is performed for all dimensions, the level groups...

13/5,K/20 (Item 17 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00753791 **Image available**

**INTERNET-BASED COMMERCE SYSTEM
SYSTEME DE COMMERCE VIA INTERNET**

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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, US (Nationality), (Designated only for: US)

TOLLEFSON Kenneth D, 12125 Salix Court, San Diego, CA 92129, US, US
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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200067171 A1 20001109 (WO 0067171)

Application: WO 2000US11099 20000425 (PCT/WO US0011099)

Priority Application: US 99132337 19990503; US 2000477054 20000103

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 11287

English Abstract

An internet-based commerce system (100) simultaneously usable by multiple purchasing organizations (112) and multiple vendors (114) while controlled by a virtual single server and database is disclosed. The commerce system handles the requisitions for goods and services by system users within an purchasing organization and directs requisitions to other users for approval within that purchasing organization using approval routes electronically established within the database. Requisitions are electronically processed into Requests for Quotation (RFQ), Requests for Information (RFI) or Requests for Bid (RFB) that are then released to the internet for electronic responses by users representing vendors who access the system. Vendors with profiles matching the requests are notified preferably through response-prompting e-mail. Using the system, buyer users for purchasing organizations process electronic responses into awards. The system then notifies the awardees and other vendors.

French Abstract

L'invention concerne un systeme de commerce via Internet (100) pouvant etre simultanement utilise par de multiples organisations d'achat (112) et de multiples vendeurs (114) et commandee par un seul serveur virtuel et une base de donnees associee. Ce systeme de commerce gere les commandes de biens et services effectuees par les utilisateurs du systeme au sein d'une organisation d'achat et adresse ces commandes a d'autres utilisateurs au sein de cette organisation d'achat en vue d'une approbation via des methodes d'approbation electroniques etablies dans la base de donnees. Ces commandes sont traitees par voie electronique et transformees en demandes de prix (DP), en demandes d'informations (DI) ou en demandes d'offres (DO) qui sont ensuite accessibles sur Internet afin que les utilisateurs representant les vendeurs repondent par message electronique. Les vendeurs, dont les profils correspondent aux demandes, sont avertis de preference par courrier electronique les invitent a repondre au courrier. Grace a ce systeme, les utilisateurs acheteurs traitent les reponses electronique et en acceptent certaines. Le systeme notifie alors les vendeurs selectionnes et les autres vendeurs.

Legal Status (Type, Date, Text)

Publication 20001109 A1 With international search report.

Publication 20001109 A1 With amended claims.

Examination 20010222 Request for preliminary examination prior to end of 19th month from priority date

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description
Claims

Detailed Description

... dealing with public agencies. The vendor response data is then stored in an RFX Response **Detail record**, which collects all of the vendor responses 704. This new **record** is linked with the **original REX record** by the **original RFX record** reference number. This **record** will continue to store vendor responses until the bidding closing date specified in the **original RFX record**. This function is performed as part of the batch process 216. The batch process 216...then select an RFX to examine. The buyer can then scan the finalized RFX Response **Detail Record** corresponding to a particular RFX record. The buyer has the option of viewing the vendor...

...the buyer to electronically select an awardee from the vendors listed in the RFX Response **Detail Record** 710. The award can be limited to a particular line item of goods I 0...

...the buyer selects an awardee, the commerce system 100 creates a Purchase Order (P.O.) **Detail Record** that is linked by reference number to the **original RFX record** 712. With the creation of this record, the commerce system 100 sends the buyer an...

Claim

... DATA ENTRY
ION: ALTER LINE ITEM DATA DOCUMENT RECORD IS
AGENCY CATALOG TO THE REQUEST- SAVED . RECORD HAS A
HTML PAGE 2 STATUS FIELD, HOLDING
OF REQUEST A VALUE CORRESPONDING T
I...

...C k/
RESPONSE DATA PAGE WHEN AWARDEE IS SELECTED, 729'-/@
SYSTEM CREATES A PURCHASE
ORDER **DETAIL RECORD** [WINK D
@DATA IS SENT TO D2@00 702 TO THE ORIGFNA-L RFX A 714...

...DATA IS STORED IN NEW RECORD: RFX RESPONSE **DETAIL** [SYSTEM ENABLES BUYER
ENTRY (RFX RESPONSE **DETAIL RECORD** HAS RFX OF AWARD DATA IN

THE HERWTER 7J2
WHICH COLLECTS ALL - RECORD REFERENCE P.O. DETAIL RECORD
VENDOR RESPONSES F@ @ @ 704 718
I SPLIT THE AWARD (BASED ON y CR ITIONK P...

13/5,K/21 (Item 18 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00560809 **Image available**
METHOD AND APPARATUS FOR DEPLOYING SERVICE MODULES AMONG SERVICE NODES
DISTRIBUTED IN AN INTELLIGENT NETWORK
PROCEDE ET APPAREIL DE DEPLOIEMENT DE MODULES DE SERVICE DANS DES NOEUDS DE
SERVICE REPARTIS DANS UN RESEAU INTELLIGENT

Patent Applicant/Assignee:

DUGAN Andrew,
ROBB Terrence,
HOLMES Allen,
DEO Ajay,

Inventor(s):

DUGAN Andrew,
ROBB Terrence,
HOLMES Allen,
DEO Ajay,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200024182 A1 20000427 (WO 0024182)
Application: WO 99US24578 19991020 (PCT/WO US9924578)
Priority Application: US 98104890 19981020

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ
BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT
SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: H04M-003/00

International Patent Class: H04M-003/42; H04M-007/00; H04L-012/00;
G06F-011/30 ; G06F-015/16

Publication Language: English

Fulltext Availability:

Detailed Description
Claims

Fulltext Word Count: 17155

English Abstract

A method and apparatus for deploying and activating services in a communications network (202). In the context of a communications network (202) that deploys service functionality by distributing managed software objects to the service processing nodes (204), the present invention relates to selectively dispensing managed objects from a repository (230) and coordinating the instantaneous activation or deactivation of services through the communications network (202). Furthermore, where a managed object service creation environment (228) is coupled to the communications network (202), the method and apparatus of the present invention provides security, back-up, and version control of managed objects and other network data stored in the repository (230).

French Abstract

L'invention concerne un procede et un appareil de deploiement et d'activation de services dans un reseau (202) de communication. Dans le contexte d'un reseau (202) de communication deployant une fonctionnalite de service en distribuant des objets logiciels aux noeuds (204) de traitement de service, la presente invention a trait a la repartition selective d'objets de gestion a partir d'un gisement (230) et a la coordination de l'activation ou de la desactivation instantanee de services dans le reseau (202) de communication. En outre, lorsqu'un environnement (228) de creation de services d'objets de gestion est couple au reseau de communication (202), le procede et l'appareil de la

· presente invention decrivent une commande de securite, de secours et de version d'objets de gestion et d'autres donnees du reseau memorisees dans le gisement (230).

...International Patent Class: G06F-011/30 ...

... G06F-015/16

Fulltext Availability:
Detailed Description

Detailed Description

... Preferably, each
of the foregoing types of billing records may be expanded.

Thus, expanded call **detail records** (ECDRs), expanded private network records (EPNRs), expanded operator service records (EOSRs), and, expanded private operator...

...through DM include switch event records (SERs) which identify a switch event (e.g., system **recovery**, time change) and billing data **records** (BDRs). This function additionally includes storing call history records on a long term storage and...

13/5,K/22 (Item 19 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00554430 **Image available**

METHOD AND SYSTEM FOR PROVIDING A GLOBAL SATELLITE BASED TELECOMMUNICATION NETWORK

PROCEDE ET SYSTEME D'ELABORATION D'UN RESEAU MONDIAL DE TELECOMMUNICATIONS PAR SATELLITES

Patent Applicant/Assignee:

IRIDIUM IP LLC,

Inventor(s):

SMITH Robert Kyle,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200017803 A1 20000330 (WO 0017803)

Application: WO 99US21242 19990922 (PCT/WO US9921242)

Priority Application: US 98101427 19980922

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY
KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: G06F

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 18800

English Abstract

A system and method for providing services to users of a global telecommunications network (100). The system and method use service business system (410) which includes service providers who sell subscriptions for usage of the telecommunications network (100), a gateway business system (420) which includes service activation, Tier II customer support, payment and settlement processing, service provider management, usage collection, and retail rating, and a business support system (430) which includes gateway relationship management, financial and treasury and usage collection. Billing files and reports are distributed to a plurality of destinations.

French Abstract

L'invention porte sur un procede et un systeme de prestation de services

- aux utilisateurs d'un reseau mondial (100) de telecommunications utilisant un service d'assistance commerciale (410) comportant: (a) des prestataires de services vendant des souscriptions utilisables dans le reseau mondial (100) de telecommunications; (b) un systeme de passerelles commerciales (420) offrant une activation de services, une assistance Tier II aux clients, des traitements des paiements et des reglements, une gestion des prestataires de services, un recueil des taux d'utilisation, et une tarification au detail; (c) un systeme d'assistance commerciale (430) offrant une gestion des relations entre passerelles, et des recueils financiers, de tresorerie et de taux d'utilisation. Les fichiers et rapports de facturation sont ventiles vers de nombreuses destinations.

Main International Patent Class: G06F

Fulltext Availability:

Claims

Claim

... claim 2 1, wherein the first destination is a plurality of repositories comprising a usage **repository**, an error **repository**, and an **original call detail record** directory.

23 The method of claim 2 1, wherein the second destination is a plurality
...
...process.

24 The method of claim 21, wherein the types of the plurality of call detail records comprise valid records, original call detail records, invalid records, and event records,
wherein the valid records, the invalid records, and the original call detail records
are sent to the first destination,
wherein the events records are sent to the second...

...valid records are sent to a usage repository,
invalid records are sent to an error **repository**, and
original call detail records are sent to an **original call detail record** directory.

26 The method of claim 24, wherein a plurality of final destinations for the...

13/5,K/23 (Item 20 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00487177 **Image available**

AUTOMATED DEBT PAYMENT SYSTEM AND METHOD USING ATM NETWORK
SYSTEME AUTOMATISE DE REGLEMENT DE CREANCE UTILISANT UN RESEAU MTA ET
TECHNIQUE AFFERENTE

Patent Applicant/Assignee:

MARTIN Joseph B Jr,
HINKLE D Allen,

Inventor(s):

MARTIN Joseph B Jr,
HINKLE D Allen,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9918529 A1 19990415
Application: WO 98US19897 19981001 (PCT/WO US9819897)
Priority Application: US 97943284 19971003

Designated States: AU BR CA AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL
PT SE

Main International Patent Class: G06F-017/60

Publication Language: English

Fulltext Availability:

- Detailed Description
- Claims
- Fulltext Word Count: 11434

English Abstract

An electronic funds transfer methodology for providing access to non-bank loan payment processors (24) through established ATM networks (8), allowing a customer to transfer funds electronically from an account at the customer's bank (18) to a loan servicer (24) to satisfy an outstanding payment obligation. Information relevant to the payment is communicated electronically from the loan servicer through software designed to access the servicer's loan database, extract specific fields from designated records, and communicate this information to a third party central computer. The third party central computer reformats the data as necessary, aggregates this information with any similar information received from other loan or debt servicers, and transmits the aggregated information to one or more ATM transaction processors.

French Abstract

L'invention porte sur une technique de transfert de fonds electronique permettant d'avoir acces a des processeurs de payement de prets non bancaires (24) par le truchement de reseaux MTA existants (8) permettant a un client de transferer par voie electronique des fonds d'un compte sur sa banque (18) a un agent serveur de prets (24) afin d'acquitter une obligation de reglement a executer. L'information relative au reglement est communiquée par voie electronique par l'agent serveur de pret par l'intermediaire d'un programme conçu pour accéder a la base de donnees de l'agent serveur de pret, extraire des zones de donnees spécifiques d'enregistrements designes et transmettre cette information a un ordinateur central tiers. Ce dernier reformatte les donnees le cas echeant, relie cette information a toute information similaire emanant d'autres agents serveurs de prets ou de creances et fait passer l'agregat d'informations a un pou plusieurs processeurs MTA transactionnels.

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... transmission of the data, the process proceeds to block 606, where the downloaded data is **saved** .

In block 608, the transaction **records** are disaggregated by loan servicer. From this information, **detailed records** of the amount of funds transferred for each outstanding obligation are received and this information...

13/5,K/24 (Item 21 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00484627

INTEGRATED BUSINESS SYSTEM FOR WEB BASED TELECOMMUNICATIONS MANAGEMENT
Système d'échanges commerciaux intégrés pour la gestion de
telecommunications sur le web

Patent Applicant/Assignee:

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CHODORONEK Mark A,
DeROSE Eric,
GONZALES Mark N,
JAMES Angela R,
LEVY Lynne,
TUSA Michael,

Inventor(s):

BARRY B Reilly,
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GONZALES Mark N,
JAMES Angela R,
LEVY Lynne,
TUSA Michael,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9915979 A1 19990401

Application: WO 98US20170 19980925 (PCT/WO US9820170)

Priority Application: US 9760655 19970926

Designated States: AU BR CA JP MX SG AT BE CH CY DE DK ES FI FR GB GR IE IT
LU MC NL PT SE

Main International Patent Class: G06F-013/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 88075

English Abstract

The specification discloses a method of doing business over the public Internet, particularly, a method which enables access to legacy management tools used by a telecommunications enterprise in the management of the enterprise business to the enterprise customer, to enable the customer to more effectively manage the business conducted by the customer through the enterprise, this access being provided over the public Internet. This method of doing business is accomplished with one or more secure web servers which manage one or more secure client sessions over the Internet, each web server supporting secure communications with the client workstation; a web page backplane application capable of launching one or more management tool applications used by the enterprise. Each of the management tool applications provide a customer interface integrated within said web page which enables interactive Web/Internet based communications with the web servers; each web server supports communication of messages entered via the integrated customer interface to one or more remote enterprise management tool application servers which interact with the enterprise management tool applications to provide associated management capabilities to the customer.

French Abstract

Cette invention se rapporte à un procédé permettant de réaliser des échanges commerciaux par l'Internet, en particulier un procédé qui permet d'accéder à des outils de gestion hérités utilisés par une entreprise de télécommunications pour la gestion de ses relations commerciales avec ses clients, et pour permettre aux clients de gérer plus efficacement leurs intérêts commerciaux par l'intermédiaire de l'entreprise, cet accès étant assuré par l'Internet. Ce procédé d'échanges commerciaux utilise un ou plusieurs serveurs web sécurisés, qui gèrent une ou plusieurs sessions client sécurisées sur l'Internet, chaque serveur web prenant en charge les communications sécurisées avec la station de travail client; ainsi qu'une application de fond de panier de page web capable de lancer une ou plusieurs applications d'outils de gestion utilisées par l'entreprise. Chacune de ces applications d'outils de gestion fournit une interface client intégrée à chaque page web qui permet des communications interactives par le Web/l'Internet avec les serveurs web; et chaque serveur web prend en charge la communication des messages entre via l'interface client intégrée à destination d'un ou de plusieurs serveurs d'applications d'outils de gestion d'entreprise distants, qui entrent en interaction avec les applications d'outils de gestion d'entreprise pour assurer aux clients des capacités de gestion associées.

Main International Patent Class: G06F-013/00

Fulltext Availability:

Detailed Description

Detailed Description

... back-end

midrange application known as the StarODS server
receives report requests for priced call detail data

• data through a Talarian smart socket messaging interface 350 to the Report...ARD message is sent from the Report Requestor client to the RM server and is saved in the RM inventory database for subsequent execution. Consequently, the report is flagged as incomplete in the User-table and...

13/5, K/25 (Item 22 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00419920 **Image available**

TRUSTED INFRASTRUCTURE SUPPORT SYSTEMS, METHODS AND TECHNIQUES FOR SECURE ELECTRONIC COMMERCE, ELECTRONIC TRANSACTIONS, COMMERCE PROCESS CONTROL AND AUTOMATION, DISTRIBUTED COMPUTING, AND RIGHTS MANAGEMENT

SYSTEME D'ASSISTANCE INFRASTRUCTURELLE ADMINISTRATIVE, PROCEDES ET TECHNIQUES SURES CONCERNANT LE COMMERCE ET LES TRANSACTIONS ELECTRONIQUES, COMMANDE ET AUTOMATISATION DES PROCESSUS COMMERCIAUX, CALCUL REPARTI ET GESTION DES REDEVANCES

Patent Applicant/Assignee:

INTERTRUST TECHNOLOGIES CORP,
SHEAR Victor H,
VAN WIE David M,
WEBER Robert,

Inventor(s):

SHEAR Victor H,
VAN WIE David M,
WEBER Robert,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9810381 A1 19980312

Application: WO 96US14262 19960904 (PCT/WO US9614262)

Priority Application: WO 96US14262 19960904

Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: G07F-007/00

International Patent Class: G07F-07:10; G06F-17:60

Publication Language: English

Fulltext Availability:

Detailed Description
Claims

Fulltext Word Count: 85684

English Abstract

The present inventions provide an integrated, modular array of administrative and support services for electronic commerce and electronic rights and transaction management. These administrative and support services supply a secure foundation for conducting financial management, rights management, certificate authority, rules clearing, usage clearing, secure directory services, and other transaction related capabilities functioning over a vast electronic network such as the Internet and/or over organization internal Intranets. These administrative and support services can be adapted to the specific needs of electronic commerce value chains. Electronic commerce participants can use these administrative and support services to support their interests, and can shape and reuse these services in response to competitive business realities. A Distributed Commerce Utility having a secure, programmable, distributed architecture provides administrative and support services. The Distributed Commerce Utility makes optimally efficient use of commerce administration resources, and can scale in a practical fashion to accommodate the demands of electronic commerce growth. The Distributed Commerce Utility may comprise a number of Commerce Utility Systems. These Commerce Utility Systems provide a web of infrastructure support available to, and reusable by, the entire electronic community and/or many or all of its participants. Different

- support functions can be collected together in hierarchical and/or in networked relationships to suit various business models and/or other objectives. Modular support functions can be combined in different arrays to form different Commerce Utility Systems for different design implementations and purposes. These Commerce Utility Systems can be distributed across a large number of electronic appliances with varying degrees of distribution.

French Abstract

L'invention porte sur un reseau modulaire integre de services administratifs et d'assistance relatifs au commerce electronique, aux redevances electroniques et a la gestion des transactions. Lesdits services fournissent des fondements surs permettant de conduire la gestion financiere, la gestion des redevances, les contrats d'agence, la compensation des regles, la compensation des utilisations, des services surs de repertoires, et autres prestations liees aux transactions traitees par un vaste reseau electronique tel qu'Internet et/ou par des Intranets internes a des organisations. Ces services peuvent etre adaptes aux besoins specifiques de chaines electroniques de valeurs commerciales. Les acteurs du commerce electronique peuvent utiliser lesdits services pour defendre leurs interets, les adapter aux realites de la concurrence, et les reutiliser. Lesdits services sont fournis par une entite commerciale repartie presentant une structure sure, programmable et repartie. L'entite commerciale repartie tire le maximum d'efficacite des ressources en matiere de gestion commerciale, et peut aisement s'adapter pour faire face aux exigences de la croissance du commerce electronique. L'entite commerciale repartie peut comprendre un certain nombre de systemes d'entites commerciales constituant un reseau d'assistance infrastructurelle disponible et reutilisable par l'ensemble de la communaute electronique et/ou plusieurs ou la totalite de ses participants. Il est possible de regrouper certaines fonctions d'assistance par ordre hierarchique et/ou de reseau en vue d'une adaptation a differents modeles commerciaux et/ou a d'autres objectifs. Des fonctions modulaires d'assistance peuvent etre combinees de differentes manieres pour constituer differents systemes d'entites commerciales correspondant a differentes elaborations de structures et a differents desseins. Lesdits systemes d'entites commerciales peuvent etre repartis entre de nombreux dispositifs electroniques avec des niveaux de repartition variables.

...International Patent Class: G06F-17:60

Fulltext Availability:

Detailed Description

Detailed Description

... content were accessed). Records from content types that are not interesting may be discarded. The **detailed records** themselves may be discarded after analysis. In another example, the UDE values (e.g., how...some use

100

records may be processed and analyzed locally (and then discarded), while other **detail records** are **saved** for later processing.

Once the distributed clearing functions have been performed, the information can be...

13/5,K/32 (Item 29 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00183237 **Image available**

COMPUTER OPERATIONS RECORDER AND TRAINING SYSTEM

SYSTEME D'APPRENTISSAGE ET D'ENREGISTREMENT DU FONCTIONNEMENT D'UN ORDINATEUR

Patent Applicant/Assignee:

TDS HEALTHCARE SYSTEMS CORPORATION,

Inventor(s):

- WILLIAMS Paul E,
McCARTHY Kevin G,
CERCHIO Gerard J,
ALVES Robert A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9100575 A1 19910110

Application: WO 90US3878 19900703 (PCT/WO US9003878)

Priority Application: US 89933 19890703

Designated States: AT AU BE CA CH DE DK ES FR GB IT JP LU NL SE

Main International Patent Class: G06F-015/20

International Patent Class: G06F-11:34

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 81088

English Abstract

A method for detecting and recording signals from an input device operatively connected to a digital computer and output from a target program accessible by the computer, the method comprising the steps of: a) loading recorder means into ROM of the computer; b) accessing a format table file with the recorder to get data representing predefined recording characteristics of the target program and configure the recorder to the target program; c) monitoring and interceding in the control of the operations of the computer with the recorder; d) accessing the target program with the digital computer; e) recording to a datafile signals from the input device, the signals representing input to the target program, and a sequence of screens produced by the target program.

French Abstract

Un procede permet de detecter et d'enregistrer des signaux emis par un dispositif d'entree connecte de maniere fonctionnelle a un ordinateur numerique et les sorties d'un programme cible accessible par l'ordinateur. Le procede comprend les etapes suivantes: (a) le chargement des moyens d'enregistrement dans la memoire morte de l'ordinateur; (b) l'accès par les moyens d'enregistrement a un fichier contenant une table de configuration afin d'obtenir des donnees qui representent des caracteristiques predefinies d'enregistrement du programme cible et de configurer les moyens d'enregistrement en fonction du programme cible; (c) le controle et l'interception de la commande du fonctionnement de l'ordinateur par les moyens d'enregistrement; (d) l'accès au programme cible par l'ordinateur numerique; (e) l'enregistrement dans un fichier de donnees des signaux emis par le dispositif d'entree, qui representent des entrees dans le programme cible, et d'une sequence d'images generees sur l'ecran par le programme cible.

Main International Patent Class: G06F-015/20

International Patent Class: G06F-11:34

Fulltext Availability:

Detailed Description

Detailed Description

... data file. The generic recorder 8b is adapted to prevent this by allowing the FTF file 14 to specify a region of the screen that is to be ignored during screen...17 subsequently ignores the screen change and exits at 384, FIG 20* Describes in more detail the record screen step 334 of C clock code at FIG, 15, This routine checks the type...

File 348:EUROPEAN PATENTS 1978-2003/Jul W02

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030717,UT=20030710

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Set	Items	Description
S1	301	IMAGE()COPY
S2	676	DETAIL(1W)RECORD? ?
S3	0	SPILL(1W)RECORD? ?
S4	174	CADS OR CHANGE()ACCUMULAT?
S5	1	S1(S)S2:S4

5/5,K/1 (Item 1 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00963611 **Image available**

EXTENDED WEB ENABLED MULTI-FEATURED BUSINESS TO BUSINESS COMPUTER SYSTEM
FOR RENTAL VEHICLE SERVICES
SYSTEME INFORMATIQUE INTERENTREPRISES A ELEMENTS MULTIPLES A ACCES INTERNET
POUR SERVICES DE LOCATION DE VEHICULES

Patent Applicant/Assignee:

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US)

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(Residence), US (Nationality), (Designated only for: US)

KLOPFENSTEIN Anita K, 433 Schwarz Road, O'Fallon, IL 62269, US, US
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

HAFERKAMP Richard E (et al) (agent), Howell & Haferkamp, L.C., Suite
1400, 7733 Forsyth Blvd., St. Louis, MO 63105-1817, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200297700 A2 20021205 (WO 0297700)

Application: WO 2001USS1431 20011019 (PCT/WO US0151431)

Priority Application: US 2000694050 20001020

Parent Application/Grant:

Related by Continuation to: US 2000694050 20001020 (CIP)

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU
SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 237932

English Abstract

French Abstract

La presente invention concerne un systeme informatique de transaction entre entreprises qui dans un mode de realisation prefere est destine a fournir des services de location de vehicules pour des utilisateurs a demande elevee comportant un portail de reseau Internet grace auquel l'utilisateur a demande elevee peut acceder a une pluralite de fournisseurs de services comportant un reseau informatique d'entreprise integre pour au moins un fournisseur de services de location de vehicules. Le reseau informatique de fournisseur de services de location de vehicules est configure pour l'interconnexion d'une pluralite de succursales de diversite geographique, presentant le catalogue de leurs vehicules de location disponibles et des programmes les concernant ainsi

que pour la gestion de toutes les donnees de transaction concernant son entreprise. Le portail de reseau Internet permet une connectivite et une transferabilite universelles pour une association d'entreprises a plusieurs niveaux qui placent regulierement des demandes elevees d'achat de location avec son associe commercial et egalement les autres fournisseurs de services qui peuvent ou non avoir le meme systeme et logiciel informatique d'entreprise integre. L'utilisation du procede et de l'appareil de la presente invention permet de placer, de grands volumes de transactions de location, de les controler, de les modifier en cours d'operation, et de les conclure avec des operations de comptabilite financiere et paiement pratiquement sans intervention humaine.

Legal Status (Type, Date, Text)

Publication 20021205 A2 Without international search report and to be republished upon receipt of that report.

Declaration 20030220 Late publication under Article 17.2a

Republication 20030220 A2 With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.

Fulltext Availability:

Detailed Description

Detailed Description

... t system date.

APPROVAL CENTURY/YEARr APPROVAL MONTHI APPROVAL DAY.

@Complex Calculations.

BILLED DAILY TOTAL AMOUNT calculation.

1.) Attempt to retrieve the associated AMAUTD Authorization Detail file **record** for this Vendor Transaction ID to obtain the AUTHORIZED DAILY RATE, NUMBER OF DAYS AUTHORIZED, MAXIMUM DAILY RATE COVERED, * POLICY MAXIMUM COVERED.. BILL-To PERCENT...

...equal to 1681 and return to caller program.

2.) If the NUMBER OF DAYS AUTHORIZED is greater than zero, then retrieve each associated AMIEBD Invoice Detail file **record** that has an ITEM CODE equal to 05 (Daily Rate Detail).

a.) For each record daily charge invoice detail **record** read, i -) Save the least of ITEM RATE (Rental Rate Charged),, AUTHORIZED DAILY RATE; MAXIMUM DAILY RATE ...Branch Reservations) , then call the Retrieve ARMS ECARS-Specific Profile File Record (AM2020V1) program to retrieve from the associated ARMS ECARS-Specific Profile File (ARMSPR5) **record** its flag field value for automatically generating underage driver approved surcharge authorizations (INSURANCE ...value is I YI (Yes) I then do the following.

a. Using the passed VENDOR TRANSACTION ID, retrieve the associated Authorization Detail file (AMAUTD) **record** . IF successful, derive (compute) the.

File 8:Ei Compendex(R) 1970-2003/Jul W2
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 (c) 1998 Inst for Sci Info
 File 34:SciSearch(R) Cited Ref Sci 1990-2003/Jul W3
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 File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
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 File 95:TEME-Technology & Management 1989-2003/Jul W1
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 File 438:Library Lit. & Info. Science 1984-2003/Jun
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Set	Items	Description
S1	1706	DETAIL?(1W)RECORD? ?
S2	29	SPILL????(1W)RECORD? ?
S3	223165	CADS OR CADS OR CHANGE()ACCUMULAT?
S4	5264	(RECOVER??? OR RESTOR??? OR RESTORATION OR REINSTAT? OR RE- ()INSTAT???) (5N) (DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR DATA()STORE OR FILE? ? OR RECORD? ?)
S5	8273	(BACKUP OR BACK??()UP OR ORIGINAL OR SAVED) (5N) (DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR DATA()STORE OR COPY OR F- ILE? ? OR RECORD? ?)
S6	0	S1(5N)S5(5N)(APPLY??? OR APPLIE? ? OR MERG??? OR COMBIN???- ??? OR COMPOSIT? OR AGGREGAT? OR POOL??? OR CONSOLIDAT? OR AD- D??? OR INTEGRAT? OR INCORPORAT? OR JOIN??? OR UNIT???)
S7	5	S1(10N)S5
S8	0	S1 AND S2
S9	3	S1 AND S3
S10	0	S2 AND S3
S11	185	S1:S3 AND S4:S5
S12	500	CADS OR CHANGE()ACCUMULAT?
S13	13	(S1:S2 OR S12) AND S4:S5
S14	16	S7 OR S9 OR S13
S15	13	RD (unique items)
S16	542	S5(10N)(APPLY??? OR APPLIE? ? OR MERG??? OR COMBIN?????? OR COMPOSIT? OR AGGREGAT? OR POOL??? OR CONSOLIDAT? OR ADD??? OR INTEGRAT? OR INCORPORAT? OR JOIN??? OR UNIT???)
S17	32	S4 AND S16
S18	25	RD (unique items)
S19	24	S18 NOT PY=2001:2003

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Set	Items	Description
S1	160	IMAGE()COPY
S2	145	DETAIL(1W)RECORD? ?
S3	20	SPILL(1W)RECORD? ?
S4	500	CADS OR CHANGE()ACCUMULAT?
S5	0	S1 AND S2:S4

19/5/1 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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04383483 E.I. No: EIP96043140243

Title: **Economical analysis for a hybrid data backup system**

Author: Odagiri, Masanori; Dohi, Tadashi; Kaio, Naoto; Osaki, Shunji

Corporate Source: Hiroshima Univ, Higashi-Hiroshima-shi, Jpn

Source: IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences v E79-A n 1 Jan 1996. p 118-125

Publication Year: 1996

CODEN: IFESEX ISSN: 0916-8508

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications); T; (Theoretical)

Journal Announcement: 9606W3

Abstract: This article considers a hybrid data backup model for a file system, which **combines** both conventional magnetic disk (MD) and write-once, read-many optical disk (OD). Since OD recently is a lower cost medium as well as a longer life medium than the ordinary MD, this kind of backup configuration is just recognized to be important. We mathematically formulate the hybrid data backup model and obtain the closed-form average cost rate when the system failure time and the recovery time follow exponential distributions. Numerical calculations are carried out to obtain the optimal backup policy, which is composed of two kinds of backup sizes from the main memory to MD and from MD to OD and minimizes the average cost rate. In numerical examples, the dependence of the optimal backup policy on the failure and the recovery mechanism is examined. (Author abstract) 18 Refs.

Descriptors: **Database systems; Computer system recovery ; File organization; Magnetic disk storage; Optical disk storage; Sensitivity analysis; Information management; Numerical methods; Optimization; Costs**

Identifiers: Hybrid data backup system; Economical data backup size; File management; Average cost rate

Classification Codes:

723.3 (Database Systems); 722.4 (Digital Computers & Systems); 722.1 (Data Storage, Equipment & Techniques); 723.2 (Data Processing); 921.6 (Numerical Methods); 912.2 (Management)

723 (Computer Software); 722 (Computer Hardware); 921 (Applied Mathematics); 912 (Industrial Engineering & Management)

72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS); 91 (ENGINEERING MANAGEMENT)

19/5/2 (Item 2 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)
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03571979 E.I. Monthly No: EIM9303-012092

Title: **Mona Lisa symbolism uncovered by computer processing.**

Author: Asmus, J. F.

Corporate Source: Univ of California, San Diego, CA, USA

Conference Title: 1991 Annual International Metallographic Society Symposium

Conference Location: Monterey, CA, USA Conference Date: 19910729

E.I. Conference No.: 17565

Source: Materials Characterization v 29 n 2 Sep 1992. p 119-128

Publication Year: 1992

CODEN: MACHEX ISSN: 1044-5803

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications); G; (General Review)

Journal Announcement: 9303

Abstract: Through the ages the image of the Mona Lisa del Gioconda by Leonardo da Vinci has receded beneath strata of discolored, crackled, and soiled varnish as well as a web of cleavage within the paint layer. This impedes esthetic appreciation as well as scholarly inspection of the piece. Unfortunately, the physical condition of the painting is such that it will

not undergo cleaning and treatment very soon. Consequently, digital computer image processing has been applied to the artwork to recover an approximation of its original appearance and to bring out long-hidden details. This was accomplished first by digitizing a high-quality photograph of the composition to 6-million-pixel resolution and then applying gain-bias modulation to the RGB image files to recover the original varnish-free colors. The image restoration was completed through removal of the craquelure by numerically intensive IBM 3090 processing of the data in the large files of RGB data. Sequential application of matched-FFT and blue/green bi-scatter filters yielded the final result. Regional enhancement, local enhancement, and pseudo-color coding of the restored image uncovered pentimenti as well as areas where the painting has been modified. These indicate that at some point in the creation of the piece, a necklace and additional mountains were present. Such clarifications bring out a dramatic tension in the background, revealing a metaphor of the human condition. (Author abstract) 17 Refs.

Descriptors: *IMAGE RECONSTRUCTION; COMPUTER APPLICATIONS; COLOR PHOTOGRAPHY; COLOR IMAGE PROCESSING; IMAGE ENHANCEMENT

Identifiers: MONA LISA DEL GIOCONDA; DIGITAL COMPUTER IMAGE PROCESSING; PIXEL RESOLUTION; RGB IMAGE FILES; PSEUDOCOLOR CODING; REGIONAL ENHANCEMENT

Classification Codes:

741 (Optics & Optical Devices); 723 (Computer Software); 742 (Cameras & Photography)

74 (OPTICAL TECHNOLOGY); 72 (COMPUTERS & DATA PROCESSING)

19/5/3 (Item 3 from file: 8)

DIALOG(R)File 8:EI Compendex(R)

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02046372 E.I. Monthly No: EI8611106621 E.I. Yearly No: EI86021862

Title: PERFORMANCE AND AVAILABILITY IN A NETWORK FILE SERVER.

Author: Jackson, William A.; Rogers, Paul C.; Hearn, Robert J.; Mattiace, Jeffrey S.

Corporate Source: EDS Research, Dallas, TX, USA

Source: IEEE Micro v 6 n 4 Aug 1986 p 18-34

Publication Year: 1986

CODEN: IEMIDZ ISSN: 0272-1732

Language: ENGLISH

Document Type: JA; (Journal Article) Treatment: G; (General Review); A; (Applications)

Journal Announcement: 8611

Abstract: An implementation of a central file server for a local area network-based hospital patient-care-information system is presented. The authors discuss the results of a project to move a central file server previously implemented on a 16-bit minicomputer to a current-generation 32-bit minicomputer. The motivation for this project was the need to satisfy market pressures for increased system capabilities that exceeded the capacity of the earlier-generation 16-bit host. The objectives of the project were increased performance and increased system availability. Topics discussed include performance features of the central file server host microcomputer, disk caching, multitasking, locked memory pages, and integrated performance monitoring. Improved availability features discussed involve dual-imaged files, critical event logging, and backup / restore programs. 9 refs.

Descriptors: *COMPUTER NETWORKS--*Performance; COMPUTERS, MICROCOMPUTER; COMPUTER SYSTEMS PROGRAMMING--Multiprogramming; COMPUTERS, MINICOMPUTER; DATA PROCESSING--Medical Information

Identifiers: 32-BIT MINICOMPUTER; CRITICAL EVENT

Classification Codes:

723 (Computer Software); 716 (Radar, Radio & TV Electronic Equipment); 718 (Telephone & Line Communications); 462 (Medical Engineering & Equipment); 721 (Computer Circuits & Logic Elements); 722 (Computer Hardware)

72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATIONS); 46 (BIOENGINEERING)

19/5/4 (Item 4 from file: 8)
DIALOG(R)File 8:EI Compendex(R)
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01587157 E.I. Monthly No: EI8411115640 E.I. Yearly No: EI84032811
Title: ON THE SELECTION OF EFFICIENT RECORD SEGMENTATIONS AND BACKUP
STRATEGIES FOR LARGE SHARED DATABASES.

Author: March, Salvatore T.; Scudder, Gary D.
Corporate Source: Univ of Minnesota, Dep of Management Sciences,
Minnesota, Minn, USA

Source: ACM Transactions on Database Systems v 9 n 3 Sep 1984 p 409-438

Publication Year: 1984

CODEN: ATDSD3 ISSN: 0362-5915

Language: ENGLISH

Journal Announcement: 8411

Abstract: The authors analyze the impacts of record segmentation (the assignment of data items to segments defining subfiles), an efficiency-oriented design technique, and of backup and recovery strategies, a data protection technique, on the overall process of database design. A combined record segmentation/ backup and recovery procedure is presented and an application of the procedure is discussed. Results in which problem characteristics are varied along three dimensions: update frequencies, available types of access paths, and the predominant type of data retrieval that must be supported by the database, are presented. 35 refs.

Descriptors: *DATABASE SYSTEMS

Identifiers: RECORD SEGMENTATIONS; BACKUP STRATEGIES; LARGE SHARED
DATABASES

Classification Codes:

723 (Computer Software)

72 (COMPUTERS & DATA PROCESSING)

19/5/5 (Item 1 from file: 202)
DIALOG(R)File 202:Info. Sci. & Tech. Abs.
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3102255

Replicating a database by the sequential application of hierarchically sorted log records.

Author(s): Satoh, S; Takase, Y.

Patent Number(s): US 5530855

Publication Date: Jun 25, 1996

Language: English

Document Type: Patent

Record Type: Abstract

Journal Announcement: 3100

A method and system are provided for continuously maintaining replicas of an active database in a backup system for disaster recovery purposes. Redo records transmitted from an active system are received into a dataspace work area in a backup system memory. Redo records in the work area for an uncommitted database transaction are grouped together. When a transaction becomes a committed transaction, the redo records for the transaction are sorted with redo records from other committed transactions according to database, block number within a database, offset location within a block, and sequence of occurrence. A plurality of update blocks from a backup database are read into a buffer in the backup system memory. The sorted redo records are sequentially applied to corresponding data records in the update blocks. The update blocks are then immediately written back to the database.

Descriptors: Archives; Database management systems; Databases; Disasters
Classification Codes and Description: 6.02 (Bibliographic Search Services,
Databases); 5.01 (File Design, Building, and Updating); 5.07 (Storage)

Main Heading: Information Systems and Applications; Information Processing
and Control

19/5/6 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
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5927618 INSPEC Abstract Number: C9807-6160B-006
Title: A mobile agent for asynchronous administration of multiple DBMS servers
Author(s): Takahashi, H.; Kavalan, V.
Conference Title: Proceedings of the IEEE Third International Workshop on Systems Management (Cat. No.98EX161) p.32-3
Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA
Publication Date: 1998 Country of Publication: USA viii+151 pp.
ISBN: 0 8186 8476 3 Material Identity Number: XX98-01187
U.S. Copyright Clearance Center Code: 0 8186 8476 3/98/\$10.00
Conference Title: Proceedings of the IEEE Third International Workshop on Systems Management
Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Distributed Process.; IBM T.J. Watson Res. Center; Univ. Western Ontario
Conference Date: 22-24 April 1998 Conference Location: Newport, RI, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: Informix-Enterprise Command Center (IECC) is a graphical systems management tool to administer Informix database servers (DBMS) in a distributed network environment. It is designed to administer hundreds of DBMSs across multiple geographic regions from multiple remote clients. DBMS administrative tasks include such operations as start/stop DBMS, create new spaces for database tables, add /delete user privileges, query a **database**, **backup / restore** a **database**, etc., and can be repetitive in nature. The administrator may create a task, run the task on a specific remote server and wait for completion to see the results. However, when the tasks are time consuming and hundreds of remote servers have to be administered, synchronous monitoring for task completion is not practical. The administrators need the ability to schedule a task to run at a specific time on a set of remote servers in an unattended mode and to check the results at a later time. IECC is a client-server application where there is one stationary server administration agent per DBMS server and one or more clients connect to each of the stationary agents. The clients communicate with the stationary agents using CORBA. We first identify the limitations of CORBA in supporting unattended, schedulable tasks on several remote machines and then describe a mobile agent technology that overcomes those problems. (5 Refs)
Subfile: C
Descriptors: client-server systems; distributed databases; network operating systems; object-oriented methods; query processing; scheduling; software agents; system monitoring
Identifiers: mobile agent; asynchronous administration; multiple database servers; Informix Enterprise Command Center; graphical systems management tool; Informix database servers; multiple remote clients; start stop database; database tables; query processing; remote server; synchronous monitoring; scheduling; client-server application; stationary agents; CORBA ; remote machines
Class Codes: C6160B (Distributed databases); C6150N (Distributed systems software); C6110J (Object-oriented programming)
Copyright 1998, IEE

19/5/7 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC
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5121702 INSPEC Abstract Number: C9601-6160D-003
Title: Hot database backups on UNIX
Author(s): Jones, E.
Author Affiliation: Software Clearing House, Cincinnati, OH, USA
Journal: Unix Review vol.13, no.12 p.45-6, 48-50, 52-3
Publication Date: Nov. 1995 Country of Publication: USA

CODEN: UNRED5 ISSN: 0742-3136

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: This article discusses the activities involved in hot backup of UNIX relational database management systems, the factors to be considered in designing an effective hot-backup and **recovery** plan, and the challenges database administrators face when implementing hot backups. It also includes the options for developing a hot-backup strategy (physical or logical) and the selection of **backup** software products (**database** -vendor supplied, third-party, or a **combination** of both). (0 Refs)

Subfile: C

Descriptors: back-up procedures; relational databases; security of data; system recovery; Unix

Identifiers: database backups; UNIX; hot backup; relational database management systems; recovery plan; database administrators; backup software products

Class Codes: C6160D (Relational databases); C0310D (Computer installation management); C6130S (Data security); C6150J (Operating systems)

Copyright 1995, IEE

19/5/8 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

04047176 INSPEC Abstract Number: C9201-5220-036

Title: Architectural support for reduced register saving/ restoring in single-window register files

Author(s): Huguet, M.; Lang, T.

Author Affiliation: Fujitsu Espana SA, Barcelona, Spain

Journal: ACM Transactions on Computer Systems vol.9, no.1 p.66-97

Publication Date: Feb. 1991 Country of Publication: USA

CODEN: ACSYEC ISSN: 0734-2071

U.S. Copyright Clearance Center Code: 0734-2071/91/0200-0066\$01.50

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: The use of registers in a processor reduces the data and instruction memory traffic. Since this reductions is a significant factor in the improvement of the program execution time, recent VLSI processors have a large number of registers which can be used efficiently because of the advances in compiler technology. However, since registers have to be saved/restored across function calls, the corresponding register saving and restoring (RSR) memory traffic can almost eliminate the overall reduction. This traffic has been reduced by compiler optimizations and by providing multiple-window register files. Although these multiple-window architectures produce a large reduction in the RSR traffic, they have several drawbacks which make the single-window file preferable. The authors consider a combination of hardware support and compiler optimizations to reduce the RSR traffic for a single-window register file, beyond the reductions achieved by compiler optimizations alone. Basically, this hardware keeps track of the registers that are written during execution, so that the number of registers saved is minimized. Moreover, hardware is added so that a register is **saved** in the activation **record** of the function that uses it (instead of in the record of the current function); in this way a register is restored only when it is needed, rather than wholesale on procedure return. They present a register saving and restoring policy that makes use of this hardware, discuss its implementation, and evaluate the traffic reduction when the policy is combined with intraprocedural and interprocedural compiler optimizations. On average for the four general-purpose programs measured, the RSR traffic is reduced by about 90 percent for a small register file (i.e. 32 registers), which results in an overall data memory traffic reduction of about 15 percent. (45 Refs)

Subfile: C

Descriptors: microprogramming; program compilers

Identifiers: single-window register files; instruction memory traffic; program execution time; VLSI processors; compiler technology; multiple-window architectures; hardware support; RSR traffic

Class Codes: C5220 (Computer architecture); C6150C (Compilers, interpreters and other processors)

19/5/9 (Item 4 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

01615695 INSPEC Abstract Number: C81002769
Title: MODLI: software for the treatment of the linear model on a mini-computer
Author(s): Kobilinsky, A.
Author Affiliation: CNRA, Versailles, France
Conference Title: COMPSTAT 1980. Proceedings in Computational Statistics p.167-73
Editor(s): Barritt, M.M.; Wishart, D.
Publisher: Physica-Verlag, Wien, Austria
Publication Date: 1980 Country of Publication: Austria 632 pp.
ISBN: 3 7908 0229 8
Conference Date: 1980 Conference Location: Edinburgh, UK
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: A Fortran program for the treatment of variance and covariance analysis on a minicomputer (32K words of 16 bits) is presented. It can treat a wide variety of fixed effect models and is very well adapted to covariance analysis. The number of parameters accepted is unlimited as well as the number of variates when sums of products are required for a further MANOVA. Partial results are saved a file and can be easily recovered. Submodules can be easily integrated in other Fortran software. (3 Refs)
Subfile: C
Descriptors: statistical analysis
Identifiers: MODLI; linear model; Fortran; variance; covariance; minicomputer; MANOVA
Class Codes: C1140Z (Other and miscellaneous); C7310 (Mathematics)

19/5/10 (Item 1 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00614899 00WK11-212
MSPs seek partners and widen scope -- Some providers move into security and content delivery as a way to expand services
Greenemeier, Larry
Information Week , November 20, 2000 , n813 p137, 1 Page(s)
ISSN: 8750-6874
Company Name: Coradiant; Telenius; SiteSmith
Languages: English
Document Type: Articles, News & Columns
Geographic Location: United States
Reports that management services providers (MSPs) Coradiant Inc., Telenius Corp., and SiteSmith Inc. are partnering with hardware, software, and Internet service providers (ISPs) to diversify into backup, security, and content delivery. Says that Coradiant has launched its OutSmart suite of managed network services and announced \$20 million in venture-capital funding from Dell Capital Management and Sandlot Capital. Mentions that Telenius is developing a managed virtual private network service with partners Check Point Software Technologies Ltd. and Intrusion.com. Explains that SiteSmith Inc. has added data and file backup, storage, and recovery to its offerings. Indicates that MSPs cut across all access, infrastructure, applications, storage, and security services. Includes a sidebar. (MEM)
Descriptors: Corporate Alliances; Management; Backup; Security; Internet Service Providers; Outsourcing
Identifiers: Coradiant; Telenius; SiteSmith

19/5/11 (Item 2 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00490272 98NC03-106

Desktop backups grow well on Stac's Sequoia

Milne, Jay

Network Computing , March 15, 1998 , v9 n5 p48, 1 Page(s)

ISSN: 1046-4468

Company Name: Stac

URL: <http://www.stac.com>

Product Name: Replica Sequoia Technology for Desktop Backup

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): B

Hardware/Software Compatibility: IBM PC Compatible

Geographic Location: United States

Presents a favorable review of Replica Sequoia Technology for Desktop Backup (\$500), a client backup system requiring no administrator intervention from Stac (800). Says although the test version only supported Windows 95 clients and had a rudimentary server administration interface, it backed up and restored files with ease. Adds it provides a strong solution for end-user backups, but does not have many of the features that enterprise solutions demand, like integrated facilities for archival to tape. Says since Sequoia uses the server's hard disk at the data repository, the user does not have to purchase or install tape drives or other traditional backup media, and it incorporates three compression facilities that enable faster and more efficient backups. Concludes the Microsoft Management Console (MMC) will ship with Sequoia. Contains one screen display. (EB)

Descriptors: Backup; Software Evaluation; Data Structures

Identifiers: Replica Sequoia Technology for Desktop Backup; Stac

19/5/12 (Item 3 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00478649 97DW11-005

Create Web pages with impact -- NetImpact Dynamo can speed up the process of creating and managing dynamic Web sites

Ball, Derek

Databased Web Advisor , November 1, 1997 , v15 n11 p36-41, 6 Page(s)

Company Name: Sybase

URL: <http://www.sybase.com>

Product Name: NetImpact Dynamo

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): B

Hardware/Software Compatibility: IBM PC Compatible

Geographic Location: United States

Presents a favorable review of NetImpact Dynamo (\$NA), a Web site development tool from Sybase Inc. of Emeryville, CA (800, 510). Says it stores an entire Web site in a relational database to simplify site backup, recovery, and administration. Adds that it provides easy page generation with database connectivity, allows mobile users to have their own mini-intranet running on their laptop, includes a scripting language for server-side execution, and comes with wizards for creating dynamic templates. However, says it has a poor HTML editor, and may cause speed issues in heavily loaded sites. Calls it a useful tool. Includes three screen displays, a summary card, and a report card. (dpm)

Descriptors: Web Page Authoring; Template; Web Management; Data Base Management; Intranets; Programming Aids; Wizards

Identifiers: NetImpact Dynamo; Sybase

19/5/13 (Item 4 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00469079 97NC08-007

HSM solutions: what's in store for your data?

Anderson, Ron

Network Computing , August 1, 1997 , v8 n14 p104-110, 6 Page(s)

ISSN: 1046-4468

Languages: English

Document Type: Buyer and Vendor Guide

Geographic Location: United States

Presents a buyers' guide to Comprehensive Hierarchical Storage Management (HSM) software. Features a table comparing 36 products from 28 manufacturers on model, list price, platforms, secondary and tertiary devices used, whether or not it is integrated with backup/ restore system that does not denigrate files during full system backup , text search application, client platforms for text search applications, file migration from client machines and servers supported, client platforms that support file migration, the ability to write migrated files to multiple devices, heterogeneous concurrent storage management, and GUI-based management interface. Concludes that ``HSM products have always had a lot of potential. The latest generation of HSM products may have what it takes to move this potential into production.'' Includes one sidebar. (phi)

Descriptors: File Management; Software Review; Information Storage; Client-Server Computing

19/5/14 (Item 5 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00453608 97IW03-012

Despite glowing reports, Replica 3.0 Intranetwork Edition suffers from stability woes

Avery, Mike

InfoWorld , March 3, 1997 , v19 n9 pN5, N8, 2 Page(s)

ISSN: 0199-6649

Company Name: Stac

Product Name: Replica 3.0 Intranetwork Edition

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): F

Hardware/Software Compatibility: IBM PC Compatible

Geographic Location: United States

Presents a very unfavorable review of Replica 3.0 Intranetwork Edition (\$899 per tape server), a tape backup program from Stac Inc. of San Diego, CA (619). Says it provides fast backups and easy restores. Adds that it allows users to recover their own files , and can back up other servers. However, says it has unsatisfactory system dependencies, and exhibits annoying instabilities. Calls it inexpensive and unsatisfactory. Rated one out of five points. Includes two screen displays and a report card. (dpm)

Descriptors: Backup; Software Review; Network Management; Utility Program

Identifiers: Replica 3.0 Intranetwork Edition; Stac

19/5/15 (Item 6 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00420332 96PW04-016

A backup program to avoid

Spector, Lincoln

PC World , April 1, 1996 , v14 n4 p80, 1 Page(s)

ISSN: 0737-8939

Company Name: NovaStor

Product Name: NovaBack for Windows 95

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): F
Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows
95

Geographic Location: United States

Presents a very unfavorable review of NovaBack for Windows 95 (\$99), a backup program from NovaStor (805). This utility program offers an optional DOS-based restore program which may be used to avoid having to reinstall Windows 95 before a backup program can be launched. The program makes use of a little-known Windows utility, lfnbk.exe, which adds long file names into a backup that DOS comprehends, but in testing the reviewer found that NovaBack renamed numerous files and folders and the hard drive so that several programs couldn't find their support files. Though the ability to restore from DOS seems appealing, this program is confusing and difficult to use, and the ability to specify compression levels (which is mentioned in the documentation) is missing in the actual product. It ``makes Windows 95's own backup program look good.'' (djd)

Descriptors: Backup; Utility Program; Software Review; Window Software

Identifiers: NovaBack for Windows 95; NovaStor

19/5/16 (Item 7 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00382367 95IW04-317

Easy-CD BackUp spins past tape backup limitations

Heck, Mike

InfoWorld , April 24, 1995 , v17 n17 p122, 1 Page(s)

ISSN: 0199-6649

Company Name: Incat Systems Software

Product Name: Easy-CD BackUp

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): A

Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows

Geographic Location: United States

Presents a very favorable review of Easy-CD BackUp Version 1.1 (\$249), Windows CD backup from Incat Systems Software USA Inc. of Campbell, CA (800, 408). Says it supports all CD recorders on the market. Add that it can selectively back up files and directories, making incremental backups containing just those files that have changed from the last session. States that it can restore files to any location and it maintains file attributes. Notes that it is not suitable for gigabyte-scale backups, such as in a local area network environment because it won't span a backup across multiple CDs. Concludes that ``for appropriate situations, such as backing up selected local information, Easy-CD BackUp worked fast and required little effort.'' Includes one screen display and one product summary. (LDS)

Descriptors: Backup; CD-ROM; Recorder; Window Software; Software Review

Identifiers: Easy-CD BackUp; Incat Systems Software

19/5/17 (Item 8 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00379194 95NC03-010

Avail NetSpace v3.0

Gerber, Barry

Network Computing , March 1, 1995 , v6 n3 p70, 72, 2 Page(s)

ISSN: 1046-4468

Company Name: Avail Systems

Product Name: NetSpace

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): A

Hardware/Software Compatibility: IBM PC Compatible; NetWare
Geographic Location: United States

Presents a very favorable review of NetSpace v3.0 (\$2,749), hierarchical storage management software from Avail Systems of Boulder, CO (800, 303). Says it uses a dedicated storage server to connect to secondary and tertiary HSM software, can provide HSM services for multiple servers, can significantly improve HSM performance with its use of a hard disk as the first stage storage medium, integrates HSM and backup services, protects migrated files with a special tape unit, and includes a text file explaining the steps required to recover from a variety of disasters. However, says it has a minor security problem, requires a dedicated NetWare server for the main HSM server, and does not permit the distribution of HSM devices over multiple servers. Rated A+ and given the Honorable Mention award. Includes a photo and a diagram. (dpm)

Descriptors: Hierarchical Storage Management; Local Area Networks; Mass Storage; Network Management; Software Review; Backup

Identifiers: NetSpace; Avail Systems

19/5/18 (Item 9 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00375111 95WN02-018

Find the missing links: CrossTies 2.0 and CrossTies for Workgroups 2.0

Powell, James E

Windows Magazine , February 1, 1995 , v6 n1 p156, 1 Page(s)

ISSN: 1060-1066

Company Name: CrossTies Software

Product Name: CrossTies; CrossTies for Workgroups

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): B; B

Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows

Geographic Location: United States

Presents a favorable review of CrossTies v2.0 (\$149), and CrossTies for Workgroups v2.0 (\$299), personal information managers from CrossTies Software Corp. (800, 214). Run on IBM PC compatibles with 4MB RAM, 4MB hard disk space, and Windows. Explains that CrossTies allows entering different types of information, then linking the pieces with logical connections without having to enter the data again. Notes that CrossTies treats everything as an object, and provides user-defined fields for an object. Features include a spell checker, a date/time stamper, an automatic database backup and restore facility, and improved search capabilities. Adds that CrossTies for Workgroups also has information sharing through the Novell Mail Handling System, Microsoft Mail, or Lotus cc:Mail, or by its built-in e-mail system. Concludes that CrossTies has the power and flexibility to relate information as it is in the real world. Includes one screen display and a product summary. (jo)

Descriptors: Personal Information Manager; Workgroup Computing; Electronic Mail; Window Software; Software Review

Identifiers: CrossTies; CrossTies for Workgroups; CrossTies Software

19/5/19 (Item 10 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00307847 93II03-005

Universe Master v1.0

McNeight, Neil

II Alive , March 1, 1993 , v1 n1 p48, 1 Page(s)

Company Name: Econ Technologies

Product Name: Universe Master

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): B

Hardware/Software Compatibility: Apple II

Geographic Location: United States
TEST DRIVES presents a favorable review of Universe Master v1.0 (\$169), an Apple IIGS-specific hard drive utility featuring backup and **file recovery** (with optimization coming in free v1.1 update), from Econ Technologies of Winter Springs, FL. Requires an Apple IIGS; System 6 or later; 1.5MB RAM; and a 3.5" drive (hard drive recommended). Notes that the program is not copy-protected and is hard drive installable. Says that Universe Master is a sophisticated hard drive utility that **combines** the ability to **back up files**, **recover files**, and optimize your hard drive. Notes that it is not a program launcher. Includes a very well written tutorial in an organized manual which reviewer highly recommends. Makes note of a few minor problems observed during testing but states that no major problems were observed. Awards overall score of seven on a one to ten scale. Contains one photo. (HHW)

Descriptors: Utility Program; Backup; Security; Optimization;
Software Review; Apple II
Identifiers: Universe Master; Econ Technologies

19/5/20 (Item 11 from file: 233)
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00251399 91PX10-022

Magellan 2.0
Vovcsko, Jerry
PCM , October 1, 1991 , v9 n4 p88, 1 Page(s)
ISSN: 0747-0460
Company Name: Lotus Development
Product Name: Magellan
Languages: English
Document Type: Software Review
Grade (of Product Reviewed): a

Geographic Location: United States
Presents a very favorable review of Magellan 2.0 (\\$139), a file retrieval utility from Lotus Development Corp., Cambridge, MA (617). The program requires 512K RAM, a hard disk, and DOS 2.1 or later. The program can search a hard disk's contents for files containing a specified search string. Files found are displayed in a split screen, with file names on the left side together with a probability rating indicating how closely the text matches the search string and the first few lines of the file whose name is under the cursor displayed on the right side. Files whose contents are of interest can be copied to an ASCII file and the filenames can continue to be browsed. The program allows viewing a large number of file types in their native format, and this release now **incorporates** file compression, support for a mouse, undelete, **backup** and **restore**, and a **file** or directory comparison utility. (djd)

Descriptors: Information Retrieval; Software Review
Identifiers: Magellan; Lotus Development

19/5/21 (Item 12 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00240156 91IW05-253

Network Archivist Version 1.8c
InfoWorld , May 20, 1991 , v13 n20 p129, 133+, 3 Pages
ISSN: 0199-6649
Languages: English
Document Type: Hardware Review
Grade (of Product Reviewed): A
Hardware/Software Compatibility: IBM PC XT; IBM PC XT Compatible;
Netware

Geographic Location: United States
Presents a very favorable review of The Network Archivist v. 1.8c (\$6,985), a 4mm DAT drive for network backup from Palindrome of Naperville, IL (708). Runs on an IBM PC XT or compatible with DOS 2.0 or later, 640K of

RAM, a hard disk, a free expansion slot, and Novell NetWare 286 or 386. Says it is the best of the drives evaluated because of its unique **database** handling of **backup**, archiving, and **restore** chores, and its **combination** of backup drive and software that almost completely automates network backup; and it is fairly fast and has generous support policies. Rated 7.6 overall. Includes one photo, ratings in 10 categories, and a product summary. (jb)

Descriptors: Backup; Tape Drive; Networks; Hardware Review; Digital Audio

Identifiers: Network Archivist, The; Palindrome

19/5/22 (Item 13 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00238656 91MU04-039

MacTel Index 40MB

Rosch, Winn L

MacUser , April 1, 1991 , v7 n4 pbg30, 1 Pages

ISSN: 0884-0997

Languages: English

Document Type: Hardware Review

Grade (of Product Reviewed): b

Hardware/Software Compatibility: Macintosh

Geographic Location: United States

Presents a favorable review of the MacTel Index 40MB (\$439), an external hard disk drive for the Macintosh from MacTel Technology, Austin, TX (800, 512). The drive is based on a Quantum P40S mechanism and in testing achieved an average seek time of 21 ms. It is bundled with Backmatic 1.1, AutoSave II, and 14MB of shareware and offers partitioning, password protection, data encryption, **backup**, and **file recovery** capabilities. It is a low profile unit which is solidly built and provides two unswitched AC outlets. (djd)

Descriptors: Hard Disk Drive; Disk Drive; Hardware Review

Identifiers: MacTel Index 40MB; MacTel Technology

19/5/23 (Item 14 from file: 233)
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00206821 89PI12-145

Irwin 2040, Irwin 2080

Rosch, Winn L

PC Magazine , December 26, 1989 , v8 n22 p210, 214, 2 Pages

ISSN: 0888-8507

Languages: English

Document Type: Hardware Reviews

Grade (of Product Reviewed): b

Hardware/Software Compatibility: IBM PC Compatible

Geographic Location: United States

Presents a favorable review of the Irwin 2040 (\$699) and Irwin 2080 (\$849), two tape cartridge backup systems from Irwin Product Group, Ann Arbor, MI (800, 313). The drives requires 512K RAM and DOS 2.0 or later. They employ a proprietary tape format and are available in internal or external configurations. The units come with backup software which allows **file -by- file** backups and **restores** and provides automatic backup scheduling. No image mode is available. One negative aspect of the software is the fact that it does not indicate how far backup has progressed, as it lists only the file being processed. Additionally, when changing tapes during a large restore an additional command menu appeared. Calls the drives ``friendly and fast file-savers.'' Includes one photo. (djd)

Descriptors: Tape Drive; Backup; Hardware Review

Identifiers: Irwin 2040; Irwin 2080; Irwin Product Group

19/5/24 (Item 1 from file: 6)
DIALOG(R)File 6:NTIS
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1667018 NTIS Accession Number: ED-343 549
Chapter 1 Information Management Program. User's Guide
Chapter 1 Technical Assistance Center, Denver, CO. Region E.; RMC
Research Corp., Denver, CO.
Corp. Source Codes: 888888888
Sponsor: Office of Elementary and Secondary Education (ED), Washington,
DC. Compensatory Education Programs.

Report No.: TAC-B-150
Oct 90 107p
Languages: English
Journal Announcement: GRAI9220
Available from ERIC Document Reproduction Service (Computer Microfilm
International Corporation), 3900 Wheeler Ave., Alexandria, VA 22304-5110.

NTIS Prices: Not available NTIS
Country of Publication: United States
The first of seven chapters in this guide for users of the Chapter 1 Information Management Program (CHIMP) provides an introduction to the program, which was designed to help school districts maintain data and produce reports used in the evaluation of Chapter 1 programs. It is noted that these reports are useful for meeting state and federal reporting requirements, and the types of reports are listed. They cover: student participation counts, annual evaluation achievement information; sustained effect studies, list of students not showing progress for two years, aggregate gains by school, and Chapter 1 staff and full time equivalents. Hardware requirements, instructions for software installation, and instructions for updating an existing CHIMP system are also provided. The remaining chapters include: (1) Getting Started with CHIMP (README file, initial set-up, and getting organized); (2) An Overview of CHIMP (main menu, student information, district information, reports, utilities); (3) Adding and Editing Data (district information, student information); (4) Reports (pull-down menu, pull-down menu with subcategory, selection criteria screens for personal information, student services, test results); (5) Utilities (change program name, delete marked records, change birth field format, reconstruct index files, delete old records, change ID/index, merge files, import ASCII files, restore backup files, delete all records, filter student files, global edits, append service records, printer setup, display addresses); and (6) Technical Information (using CHIMP with multiple school districts, expanded memory, extended memory, trouble shooting, validity checks, technical specifications). Management data entry forms and sample reports are appended. (DB).

Descriptors: *Computer managed instruction; *Computer software;
*Educational administration; *Information management; *Recordkeeping;
Elementary secondary education; Information storage; School districts;
Student records; Worksheets

Identifiers: *Education Consolidation Improvement Act Chapter 1;
NTISHEWERI

Section Headings: 92D (Behavior and Society--Education, Law, and
Humanities); 70C (Administration and Management--Management Information
Systems)

?

File 275:Gale Group Computer DB(TM) 1983-2003/Jul 24
 (c) 2003 The Gale Group
 File 621:Gale Group New Prod.Annou.(R) 1985-2003/Jul 24
 (c) 2003 The Gale Group
 File 636:Gale Group Newsletter DB(TM) 1987-2003/Jul 24
 (c) 2003 The Gale Group
 File 16:Gale Group PROMT(R) 1990-2003/Jul 24
 (c) 2003 The Gale Group
 File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
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 File 674:Computer News Fulltext 1989-2003/Jul W3
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 File 696:DIALOG Telecom. Newsletters 1995-2003/Jul 23
 (c) 2003 The Dialog Corp.
 File 369:New Scientist 1994-2003/Jul W2
 (c) 2003 Reed Business Information Ltd.
 File 810:Business Wire 1986-1999/Feb 28
 (c) 1999 Business Wire
 File 813:PR Newswire 1987-1999/Apr 30
 (c) 1999 PR Newswire Association Inc
 File 610:Business Wire 1999-2003/Jul 24
 (c) 2003 Business Wire.
 File 613:PR Newswire 1999-2003/Jul 24
 (c) 2003 PR Newswire Association Inc

Set	Items	Description
S1	10893	DETAIL?(1W)RECORD? ?
S2	80	SPILL????(1W)RECORD? ?
S3	214309	CAD OR CADS OR CHANGE()ACCUMULAT?
S4	36045	(RECOVER??? OR RESTOR??? OR RESTORATION OR REINSTAT? OR RE- ()INSTAT???) (5N) (DATABASE? ? OR DATA()BASE? ? OR REPOSITOR???) OR DATA()STORE OR FILE? ? OR RECORD? ?)
S5	86900	(BACKUP OR BACK??()UP OR ORIGINAL OR SAVED) (5N) (DATABASE? ? OR DATA()BASE? ? OR REPOSITOR???) OR DATA()STORE OR COPY OR F- ILE? ? OR RECORD? ?)
S6	13	S1(5N)S5(5N)(APPLY??? OR APPLIE? ? OR MERG??? OR COMBIN???- ??? OR COMPOSIT? OR AGGREGAT? OR POOL??? OR CONSOLIDAT? OR AD- D??? OR INTEGRAT? OR INCORPORAT? OR INCLUD??? OR JOIN??? OR U- NIT???)
S7	7	RD (unique items)
S8	39	S1(10N)S5
S9	30	RD (unique items)
S10	20	S9 NOT (S7 OR PD>20000410)
S11	4	S1 AND S2
S12	1	RD (unique items)
S13	23	S1(S)S3
S14	0	S2(S)S3
S15	13	RD S13 (unique items)
S16	5197	DETAIL(1W)RECORD? ?
S17	756	CADS OR CHANGE()ACCUMULAT???
S18	37	(S2 OR S16:S17)(S)S4:S5
S19	26	RD (unique items)
S20	362	IMAGE()COPY
S21	99	S4:S5(S)S20 OR S4:S5(100N)S20
S22	68	RD (unique items)
S23	51	S22 NOT (PD>20000410 OR S19)
S24	16	(S2 OR S16:S17) AND S20
S25	8	RD (unique items)
S26	15213	S5(10N)(APPLY??? OR APPLIE? ? OR MERG??? OR COMBIN?????? OR COMPOSIT? OR AGGREGAT? OR POOL??? OR CONSOLIDAT? OR ADD??? OR

S27

INTEGRAT? OR INCORPORAT? OR INCLUD??? OR JOIN??? OR UNIT???)
2205 S4 (S) S26

10/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01937391 SUPPLIER NUMBER: 18226264 (USE FORMAT 7 OR 9 FOR FULL TEXT)
How to survive the aftermath of computer crime. (disaster recovery plans)
(Industry Trend or Event)
Lambeth, Jonathan
Computer Weekly, p17(1)
April 4, 1996
ISSN: 0010-4787 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1037 LINE COUNT: 00083

... your physical security and strengthen it immediately."
RELATED ARTICLE: Things you may wish you had done:
* Had a contingency plan.
* Kept copies of all your original software somewhere safe.
* Kept detailed records of your system configurations; replacing
your hardware means starting from scratch.
* Run regular back-ups of data and tested them....
*and trained a\n appropriate...

10/3,K/2 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01889550 SUPPLIER NUMBER: 17983900 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Taking account of your business: WINLine sticks to the bottom line.
(SourceMate Information Systems' Visual AccountMate and Mesonic USA's
WINLine 95 accounting software packages) (Software Review) (Evaluation)
Ivens, Kathy
Windows Sources, v4, n2, p86(2)
Feb, 1996
DOCUMENT TYPE: Evaluation ISSN: 1065-9641 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1198 LINE COUNT: 00105

... businesses that deal with international currency. We found it easy
to define exchange rates.
The program converted every transaction to U.S. currency and stored
detailed records on the original currency. The system can even report
in a number of languages so you can send reports to your foreign customers
and vendors.
Although not as...

10/3,K/3 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01626984 SUPPLIER NUMBER: 14620315 (USE FORMAT 7 OR 9 FOR FULL TEXT)
AceFile 2.0. (Ace Software Corp.) (Software Review) (one of six evaluations
of non-programmable database management systems for Microsoft Windows in
'The No-Code Approach to Data Management') (Evaluation)
Simon, Barry
Windows Sources, v1, n11, p242(3)
Dec, 1993
DOCUMENT TYPE: Evaluation ISSN: 1065-9641 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 637 LINE COUNT: 00054

... summed data for total sales, number of customers, and number of
transactions in columns--all of which are derived from the information
stored in individual detail -level records .
AceFile lets you load saved view sets, which can comprise screen
forms, list displays, and crosstab views. List and form views are linked so
that as you change the highlighted...

10/3,K/4 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01446493 SUPPLIER NUMBER: 10819322 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Phone-bill management: are you paying for your telecom vendor's golf
outings? (includes related article on alternative high-tech billing
formats)
Snouffer, Guy; Fisher, Scott
Teleconnect, v9, n6, p102(2)
June, 1991
ISSN: 0740-9354 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 651 LINE COUNT: 00053

... Track billing problems. Keeps your records organized with the
billing information.

If you are going to perform any serious auditing of bills, you must
have detailed records to back up your claims.

10/3,K/5 (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01417508 SUPPLIER NUMBER: 09390936 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Sold on Comdial's new DigiTech: the stuff dreams are made of. (Hardware
Review) (evaluation)
Luhmann, Rick
Teleconnect, v9, n1, p148(7)
Jan, 1991
DOCUMENT TYPE: evaluation ISSN: 0740-9354 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3518 LINE COUNT: 00257

... the old software cartridge for the new one), not all of the bits
and bytes running around the system are stored there.

All station message detail records (SMDR) are saved to the
software cartridge. It's the one bit of real-time data I can't afford to
lose if the KSU loses everything else...

10/3,K/6 (Item 6 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01103274 SUPPLIER NUMBER: 00570376 (USE FORMAT 7 OR 9 FOR FULL TEXT)
PC-STOR 52: A Cure for Hard Disk Fever.
Rosch, W.L.
PC Magazine, v3, n18, p118-123
Sept. 18, 1984
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3624 LINE COUNT: 00264

... a TLINK.AFT program to access the cartridge subsystem through
BASIC.

Alloy makes keeping track of your backups easy. You can print out a
hard copy of every backup batch job for an explicitly detailed printed
record of what is saved where.

Although it uses a standard cartridge that looks, feels, and smells
like streaming tape, the Alloy PC-STOR 52 does not function exactly like...

10/3,K/7 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

05921999 Supplier Number: 53157209 (USE FORMAT 7 FOR FULLTEXT)
Enterprise Backup Applications Make Backing Up Not So Very Hard To
Do. (Software Review) (Evaluation)
Harvey, David A.
Network Computing, p106(1)
Nov 1, 1998
Language: English Record Type: Fulltext
Article Type: Evaluation
Document Type: Magazine/Journal; Trade
Word Count: 5041

... back up Win95 systems; and provides application agents to enable online backup of Exchange and SQL Server.

However, UltraBac lacks sophistication when it comes to **detailed database records** of backups. Its **backup - file** -selection tools are quite basic, and it doesn't offer support for complex repeating backup strategies, such as the standard GFS (Grandfather-Father-Son) rotation...

10/3,K/8 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

02865161 Supplier Number: 43859690 (USE FORMAT 7 FOR FULLTEXT)
Still Flying at Forty
Flight International, p33
May 26, 1993
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1458

... usually different individual airframes - in flight cycles, hours flown and age relative to the current design life. The biographical section, starting on Page 36, provides **original design-life details and records** fleet leaders in age, hours and cycles.

Current utilisation in the most recent 12 months of ARS data is given for the examples of each...

10/3,K/9 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c) 2003 The Gale Group. All rts. reserv.

08126813 SUPPLIER NUMBER: 15110963 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Noblesse oblige. (Czech royalty)
Berman, Phyllis
Forbes, v153, n9, p96(3)
April 25, 1994
ISSN: 0015-6914 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1289 LINE COUNT: 00102

... from a roomful of antique antlers to elaborate bridles and saddles. Thugs the communist rulers may have been, but they were methodical thugs. They kept **detailed records** of the **original ownership** of all the property they confiscated. This makes tracing scattered items somewhat easier.

Unpaid advisers have helped the family set up a trust called...

10/3,K/10 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c) 2003 The Gale Group. All rts. reserv.

07266216 SUPPLIER NUMBER: 15207429 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Productive partnerships. (between cellular service operators and cellular software developers)
Snavely, David

Cellular Business, v11, n5, p82(1)

May, 1994

ISSN: 0741-6520

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 1159

LINE COUNT: 00091

... items, and that performance pegs are calculated the same way.

Make sure that the billing system will be ready to read any change in call detail records. Discuss a backup procedure to ensure that the old operating software can be restored if there is any trouble.

* Testing: A series of lab and field tests follows...

10/3,K/11 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

06783468 SUPPLIER NUMBER: 14836231 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Excelreport. (Software Review) (Computers & Accounting) (Evaluation)

Barth, Claire

Management Accounting (USA), v75, n6, p63(2)

Dec, 1993

DOCUMENT TYPE: Evaluation ISSN: 0025-1690 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1287 LINE COUNT: 00106

... A+ to F.

Details behind any grade can be reviewed and analyzed using SouthWare's zoom feature to move back step by step to the original entry. Searches for "exception" detail records based on grades or statistics furnish management with an individual analysis of those items making up the summary grade. The old adage that "what gets...

10/3,K/12 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

06465211 SUPPLIER NUMBER: 13892499 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Still flying at forty. (examination of ageing airliner fleet; includes related article) (Cover Story)

Goold, Ian

Flight International, v143, n4371, p33(8)

May 26, 1993

DOCUMENT TYPE: Cover Story ISSN: 0015-3710 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 2859 LINE COUNT: 00405

... usually different individual airframes - in flight cycles, hours flown and age relative to the current design life. The biographical section, starting on Page 36, provides original design-life details and records fleet leaders in age, hours and cycles.

Current utilisation in the most recent 12 months of ARS data is given for the examples of each...

10/3,K/13 (Item 5 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

06161981 SUPPLIER NUMBER: 12926667 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Milestones in Elkhart. (Elkhart, Indiana) (includes related articles)

Kurowski, Jeff

Indiana Business Magazine, v36, n11, p8(5)

Nov, 1992

ISSN: 0273-7930 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 2995 LINE COUNT: 00231

... believe that the nervous system exerted much more influence on

disease, both acute and chronic, than was usually supposed. He had begun a series of original investigations and subsequently kept detailed records on as many as 30,000 cases in an effort to substantiate his theories.

The newly settled physician moved his office from Chicago to Elkhart

...

10/3,K/14 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c) 2003 The Gale Group. All rts. reserv.

05424343 SUPPLIER NUMBER: 11106041 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Audit rights in an outsource environment. (includes related articles on
advantages and disadvantages of outsourcing)
Friedberg, Alan H.; Yarberry, William A., Jr.
Internal Auditor, v48, n4, p53(7)
August, 1991
ISSN: 0020-5745 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2008 LINE COUNT: 00167

... with vendors to enable the internal auditor to verify billing data and practices, quality of goods and services offered, and general contractual compliance. Access to detailed records of original entry data in an EDP environment(1) is a requirement for internal audit departments; and although this article focuses on audit rights in an EDP...

10/3,K/15 (Item 7 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c) 2003 The Gale Group. All rts. reserv.

04148372 SUPPLIER NUMBER: 08122027 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Litigation audits as part of a records management program.
Rea, Kelley V.
Records Management Quarterly, v23, n4, p22(4)
Oct, 1989
ISSN: 1050-2343 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2320 LINE COUNT: 00190

... at the business and at executives' homes, in "personal" files.
"Destroy after reading" letters were kept. Several conversations and meetings among competitors were recorded and saved. Detailed written records were made of the price adjustments adopted after the meetings and conversations among the competitors.)

This is a prosecutor's dream file. The worst type...

10/3,K/16 (Item 1 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2003 McGraw-Hill Co. Inc. All rts. reserv.

0000758
Washington Observer
Engineering News-Record January 31, 1985; Pg 7; Vol. 214, No. 5
Journal Code: ENR ISSN: 0013-807X
Section Heading: Washington Observer
Word Count: 620 *Full text available in Formats 5, 7 and 9*

TEXT:

... new ruling that would impose rigid record-keeping requirements for pickup trucks, vans and four-wheel drive vehicles used both for work and privately.

The original regulation required detailed record keeping as of Jan. 1 and caused a storm of protest. One construction association official called it "the number one issue." At first, the rule...

10/3,K/17 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00960930 96-10323

Agreements help make the practice

Norris, David B

Journal of Management Consulting v8n2 PP: 33-38 Fall 1994

ISSN: 0168-7778 JRNLD CODE: JCS

WORD COUNT: 2132

...TEXT: each weekend.

Invoices

Invoices are rendered as defined in the proposal. The invoice usually shows just two line items--professional fees and expenses. A detailed **backup** is usually attached. **Detailed records** of time and expenses are available for audit in the consultant's office. Payment is expected upon presentation of the invoice, unless prior arrangements are...

10/3,K/18 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00794366 94-43758

ExcelReport

Mullins, Barbara J

Management Accounting v75n6 PP: 63-64 Dec 1993

ISSN: 0025-1690 JRNLD CODE: NAA

WORD COUNT: 1210

...TEXT: Figure 1 omitted)

Details behind any grade can be reviewed and analyzed using SouthWare's zoom feature to move back step by step to the **original** entry. Searches for "exception" **detail records** based on grades or statistics furnish management with an individual analysis of those items making up the summary grade. The old adage that "what gets...

10/3,K/19 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00728728 93-77949

The Ongoing Experiment with "Regulation from Below": Expanded Reporting Requirements for HMDA and CRA

Fishbein, Allen J.

Housing Policy Debate v3n2 PP: 601-636 1992

ISSN: 1051-1482 JRNLD CODE: HPD

WORD COUNT: 12412

...TEXT: loan information has been used to rank the performances of individual lending institutions (Bradford and Schersten 1985).

Over the years, HMDA usage expanded beyond its **original** community base. Although **detailed record** -keeping of usage does not exist, surveys have found that state and local government agencies, the news media, banking regulators, and financial institutions have requested...

10/3,K/20 (Item 1 from file: 647)
DIALOG(R)File 647:CMF Computer Fulltext
(c) 2003 CMF Media, LLC. All rts. reserv.

01177291 CMP ACCESSION NUMBER: NWC19981101S0018
Enterprise Backup Applications Make Backing Up Not So Very Hard To Do
David A. Harvey
NETWORK COMPUTING, 1998, n 920, PG106
PUBLICATION DATE: 981101
JOURNAL CODE: NWC LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Reviews
WORD COUNT: 5424

... back up Win95 systems; and provides application agents to enable online backup of Exchange and SQL Server.

However, UltraBac lacks sophistication when it comes to **detailed database records** of backups. Its **backup - file** -selection tools are quite basic, and it doesn't offer support for complex repeating backup strategies, such as the standard GFS (Grandfather-Father-Son) rotation...

19/9/8 (Item 8 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01380927 SUPPLIER NUMBER: 09560555 (THIS IS THE FULL TEXT)
Systems software: Recovery Plus.
Software Magazine, v10, n12, p109(1)
Oct, 1990
ISSN: 0897-8085 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 107 LINE COUNT: 00008

TEXT:

Systems Software BMC Software, Inc., Sugar Land, Tex., has announced Recovery Plus, an IMS database product which is said to recover DL/1 databases up to four times faster than the IBM IMS Database Recovery Facility.

Only one pass of the change accumulation and recovery log datasets is required while recovering multiple databases concurrently. Single or dual image copies can be created while running a recovery. Also, interfaces to BMC Software's Secondary Index Utility and Pointer Checker Plus can be used for automatic rebuilding of indexes and validating of pointers.

Recovery Plus is priced by CPU level, beginning at \$17,500 for a perpetual license.

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COMPANY NAMES: BMC Software Inc.--Product introduction
DESCRIPTORS: Product Introduction; Data Base Maintenance; Desktop Utility
SIC CODES: 7372 Prepackaged software
TICKER SYMBOLS: BMCS
TRADE NAMES: Recovery Plus (Utility program)--Product introduction
FILE SEGMENT: CD File 275

19/9/12 (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

01669364 Supplier Number: 50127749 (THIS IS THE FULLTEXT)
BMC Software Simplifies Database Recovery With True Point-In-Time
Functionality; Recovery Plus for IMS Enhancements Increase Productivity
for IMS Products.

Business Wire, p06301152
June 30, 1998
Language: English Record Type: Fulltext
Article Type: Article
Document Type: Newswire; Trade
Word Count: 424

TEXT:

HOUSTON--(BUSINESS WIRE)--June 30, 1998--BMC Software Inc., a leading developer of software solutions that improve the availability, performance and recoverability of business-critical applications, today announced the addition of true point-in-time (PIT) recovery functionality for databases. This enhancement to BMC Software's Recovery Plus for IMS strengthens product synergy, data integrity and allows for easier job control.

RECOVERY PLUS now enables users to implement true (PIT) database recoveries, thereby eliminating the time-consuming manual steps required with IBM's point-in-time utilities. Recovery Plus can now recover to a point in time when a database was allocated for updates. The database is recovered to a logically complete state that is as close as possible to the requested point in time.

"By recovering databases in a simple, one-step operation -- the only in the industry, RECOVERY PLUS actually reduces the possibility of errors, ensuring that our customers receive the best recovery support possible," said Doug MacKinnon, marketing director for performance optimization & recovery for BMC Software. "With PIT enhancements to RECOVERY PLUS for IMS, BMC is continuing to deliver on its promise to improve recovery time up to four times faster than the IMS/VS utility."

BMC Software's RECOVERY PLUS product allows fast, efficient recoveries of IMS data sets with minimal involvement of the database administrator.

Additionally, it allows for concurrent processing of multiple recoveries, while processing the **change accumulation** and recovery log data sets only once. It performs recoveries up to four times faster than the IMS/VS utility. RECOVERY PLUS also works in synergy with other BMC Software IMS and IMS Fast Path **database** utilities to further enhance **recovery** performance.

About BMC Software

BMC Software is the world leader in the development of more than 160 Application Service Assurance solutions -- improving the availability, performance and recoverability of critical applications in complex computing environments. BMC Software is the world's 12th largest independent software vendor and a Forbes 500 company, with revenues exceeding \$730 million in fiscal 1998. The company is headquartered in Houston, Texas, with offices worldwide. For more information, please call 800/841-2031 or 713/918-8800 or visit BMC Software on the Web at www.bmc.com.

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PUBLISHER NAME: Business Wire

COMPANY NAMES: *BMC Software Inc.

EVENT NAMES: *336 (Product introduction)

GEOGRAPHIC NAMES: *1USA (United States)

PRODUCT NAMES: *7372422 (DBMS Utilities)

INDUSTRY NAMES: BUS (Business, General); BUSN (Any type of business)

NAICS CODES: 51121 (Software Publishers)

19/9/22 (Item 3 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)
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00172207 82-13768

A Close Look at IMS/VS 1.2

Konopolsky, Irwin

Computerworld v16n19 PP: In Depth 11-20 May 10, 1982 CODEN: CMPWAB

ISSN: 0010-4841 JRNL CODE: COW

DOC TYPE: Journal article LANGUAGE: English LENGTH: 9 Pages

ABSTRACT: The most recent version of IBM's IMS/VS-Release 1.2-contains new functions and enhancements that improve the flexibility and performance of the product. These new features include Data Sharing, improved **Data Base Recovery Control** (DBRC) feature, support for new direct-access storage devices (DASD), enhanced printer support, and database/data collection system enhancement. The most exciting feature of IMS/VS 1.2 is its ability to share databases among several concurrently executing IMS subsystems. The DBRC feature is a prerequisite for the Data Sharing feature. To help control **backup** and **recovery**, DBRC **records** in its Recon data sets information concerning image copy, **change accumulation**, **database recovery** and IMS log data sets. The IMS/VS 1.2 also offers full support for the 3375 and 3380 DASD. There are several enhancements in terms of printer support incorporated into the IMS 1.2. The IMS features program isolation which allows multiple application programs to update the same database concurrently. Figures.

DESCRIPTORS: IBM-Armonk NY; Computers; Characteristics; Data bases; Sharing
CLASSIFICATION CODES: 8651 (CN=Computer industry)

19/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02444534 SUPPLIER NUMBER: 65640164 (USE FORMAT 7 OR 9 FOR FULL TEXT)
New Products. (Industry Trend or Event)
Communications News, 37, 9, 116
Sept, 2000
ISSN: 0010-3632 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1745 LINE COUNT: 00148

... is a tightly integrated usage mediation system for high-performance ATM switches that provide support for Bellcore AMA format billing records. SIU extracts the call- **detail** records from the switches and manages the time-stamped **files** to ensure data integrity and **recovery** in the event of a system or network failure. SIU works in tandem with existing statistics logging in the switches, extracting usage information to associate...

19/3,K/2 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02060819 SUPPLIER NUMBER: 19314961 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Call accounting products. (includes related articles on horror stories from various users, Teleco's Perfect Call Accounting software, SDT's SecurPBX, Professional Computing Resources' Communication Management Information Tool, Tribase Systems' TAPIT, and Newcastle Communications) (Buyers Guide)
Teleconnect, v15, n3, p89(28)
March, 1997
DOCUMENT TYPE: Buyers Guide ISSN: 0740-9354 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 16056 LINE COUNT: 01296

... platform, it handles CDR recording, CDR polling, directory, cost allocation, traffic statistics, and has toll fraud detection modules. Reports can be viewed on-screen, printed, **saved** to a **file**, emailed, or **saved** in HTML for viewing with a browser. It poDs remote sites over the phone or Internet (via Telco Research's TRU Network Poller product), and stores as many records as the hard drive holds. Steve Doster at Telco **caDs** this package a "no-brainer:" 30 minutes to install, one hour to learn, with phone support and 24-hour on-line support on Telco's...

19/3,K/3 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01626984 SUPPLIER NUMBER: 14620315 (USE FORMAT 7 OR 9 FOR FULL TEXT)
AceFile 2.0. (Ace Software Corp.) (Software Review) (one of six evaluations of non-programmable database management systems for Microsoft Windows in 'The No-Code Approach to Data Management') (Evaluation)
Simon, Barry
Windows Sources, v1, n11, p242(3)
Dec, 1993
DOCUMENT TYPE: Evaluation ISSN: 1065-9641 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 637 LINE COUNT: 00054

... summed data for total sales, number of customers, and number of transactions in columns--all of which are derived from the information stored in individual **detail** -level **records**.

AceFile lets you load **saved** view sets, which can comprise screen forms, list displays, and crosstab views. List and form views are linked so that as you change the highlighted...

19/3,K/4 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01534356 SUPPLIER NUMBER: 12537676 (USE FORMAT 7 OR 9 FOR FULL TEXT)
An introduction to concurrency control. (White Paper) (Column) (Tutorial)
Celko, John
DBMS, v5, n10, p70(5)
Sept, 1992
DOCUMENT TYPE: Tutorial ISSN: 1041-5173 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3811 LINE COUNT: 00301

... a single schema object because any changes to one record could change the subordinate pointer chains. Record locking can become quite complex. Changing a Purchase **record** could disconnect it from its **original** Customer master pointers, for example, and also break the pointers to its line-item **detail records**. The master record and all its subordinates must be under the control of the transaction.

Relational Access

The Customer database in a relational system would...

19/3,K/5 (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01506484 SUPPLIER NUMBER: 11996528 (USE FORMAT 7 OR 9 FOR FULL TEXT)
For Missouri, not owning switching gear means savings and flexibility.
(State of Missouri's Division of Data Processing relies on Centrex)
Greenstein, Irwin
Networking Management, v10, n1, p18(1)
Jan, 1992
ISSN: 1052-049X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 877 LINE COUNT: 00071

... in August 1991, a bounty of additional savings were realized from enhanced features. These include Adds, Moves and Changes for quick line reconfigurations; Station Message **Detail Records** (SMDR), which **saved** \$135,000 per year by precluding a consultant that gathered state clients' calling records; Datapath, a service that lets state departments and agencies access information...

19/3,K/6 (Item 6 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01417508 SUPPLIER NUMBER: 09390936 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Sold on Comdial's new DigiTech: the stuff dreams are made of. (Hardware
Review) (evaluation)
Luhmann, Rick
Teleconnect, v9, n1, p148(7)
Jan, 1991
DOCUMENT TYPE: evaluation ISSN: 0740-9354 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3518 LINE COUNT: 00257

... the old software cartridge for the new one), not all of the bits and bytes running around the system are stored there.

All station message **detail records** (SMDR) are **saved** to the software cartridge. It's the one bit of real-time data I can't afford to lose if the KSU loses everything else...

19/3,K/7 (Item 7 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01381818 SUPPLIER NUMBER: 09526159 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Northern Telecom announcements. (Design 3.0 software, Meridian Norstar
digital key telephone system) (product announcement)
Computergram International, n1539, CGI10240014
Oct 24, 1990
DOCUMENT TYPE: product announcement ISSN: 0268-716X LANGUAGE:
ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 974 LINE COUNT: 00083

TEXT:

...kilo-bits-per-second rate adaptor for internal and external
communications, a station message detail recorder interface unit, which
tracks telephone usage and generates call detail records and a battery
back - up system. Norstar 3x8 requires incoming phone lines, wiring for
the set and an external power supply for installation. Telephones that can
be used with the...

19/3,K/8 (Item 8 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01380927 SUPPLIER NUMBER: 09560555 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Systems software: Recovery Plus.
Software Magazine, v10, n12, p109(1)
Oct, 1990
ISSN: 0897-8085 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 107 LINE COUNT: 00008

Only one pass of the change accumulation and recovery log datasets
is required while recovering multiple databases concurrently. Single or
dual image copies can be created while running a recovery. Also, interfaces
to BMC Software's Secondary Index Utility and Pointer Checker...

19/3,K/9 (Item 9 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01372608 SUPPLIER NUMBER: 09456057 (USE FORMAT 7 OR 9 FOR FULL TEXT)
BMC Software announces Recovery Plus. (data base recovery utility) (product
announcement)
Computing Canada, v16, n18, p78(1)
Sept 13, 1990
DOCUMENT TYPE: product announcement ISSN: 0319-0161 LANGUAGE:
ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 92 LINE COUNT: 00007

... released an IMS database product called Recovery Plus which it
claims can recover DL1 databases up to four times faster than the IBM IMS
Data Base Recovery utility.

Recovery Plus also offers performance improvements in a multiple
database recovery situation by making only one pass of the change
accumulation and recovery log data sets while recovering multiple
databases concurrently.

The product is priced by CPU level and begins at \$17,500 for a
perpetual licence.

19/3,K/10 (Item 10 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01260870 SUPPLIER NUMBER: 07270167 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Time bomb: inside the Texas virus trial. (trial of Donald Gene Burleson)
Joyce, Edward J.
Computer Decisions, v20, n12, p38(6)

Dec, 1988

ISSN: 0898-1825

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3387

LINE COUNT: 00267

... of an apparent trespass.

Information management staffers, meanwhile, mapped out a detailed recovery plan. "Our first priority was to reconstruct the 168,000 sales commission detail records so field representatives could be paid, and troubleshoot the causes of the problems later," recalls one of the staffers. They immediately took an internal "snapshot" of the System/38, copying the entire contents of its disks, both data and programs, to 15 tapes. Then they meticulously restored the sales records from backup tapes. The recovery took the entire weekend.

Early Monday morning, when the first few employees to arrive switched on their desktop terminals, things appeared to be operating normally...

19/3,K/11 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

02759899 Supplier Number: 68142732 (USE FORMAT 7 FOR FULLTEXT)
Lightbridge Redefines Fraud Control With Comprehensive Fraud Detection System.

Business Wire, p2150
Dec 18, 2000
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 707

... product management, fraud products. "In a recent deployment, a client informed us that with FraudBuster 5.0, they are able to process 50 million call detail records per day, twice what the original configuration was for this particular client."

FraudBuster 5.0 includes the following benefits and system enhancements:

User Benefits
-- Browser-based GUI enables quick access to...

19/3,K/12 (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

01669364 Supplier Number: 50127749 (USE FORMAT 7 FOR FULLTEXT)
BMC Software Simplifies Database Recovery With True Point-In-Time Functionality; Recovery Plus for IMS Enhancements Increase Productivity for IMS Products.
Business Wire, p06301152
June 30, 1998
Language: English Record Type: Fulltext
Article Type: Article
Document Type: Newswire; Trade
Word Count: 424

... efficient recoveries of IMS data sets with minimal involvement of the database administrator. Additionally, it allows for concurrent processing of multiple recoveries, while processing the change accumulation and recovery log data sets only once. It performs recoveries up to four times faster than the IMS/VS utility. RECOVERY PLUS also works in synergy with other BMC Software IMS and IMS Fast Path database utilities to further enhance recovery performance.

About BMC Software

BMC Software is the world leader in the development of more than 160 Application Service Assurance solutions -- improving the availability, performance...

19/3,K/13 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

05307890 Supplier Number: 88579850 (USE FORMAT 7 FOR FULLTEXT)
CA'S unicenter Database Management Solutions for IMS ensure performance and availability of critical systems; Helps reduce cost and complexity of managing IMS environments.

M2 Presswire, pNA
July 8, 2002
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 740

... the guesswork out of IMS backup and recovery by reducing the time to backup and recover critical IMS production data.

Enhancements include point-in-time **recovery** support that automates restoration of **databases** to a specific time before a malfunction or other problem occurred. A new product, **Unicenter Change Accumulation**, consolidates changes from IMS logs, ensures data availability and speeds the **recovery** of IMS **databases** by eliminating unnecessary updates during **recovery**.

New functionality such as point-in-time recovery and **Unicenter Change Accumulation** add a lot of value by giving us the ability to pick the ...

19/3,K/14 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

04906913 Supplier Number: 47215105 (USE FORMAT 7 FOR FULLTEXT)
Tracking telephone fraud fast
Vijayan, Jaikumar
Computerworld, p75
March 17, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; Trade
Word Count: 480

... a day for the security group to get such information from the company's systems.

WorldCom's data warehouse has four days' worth of **Call Detail Records** online at any time. That translates into a volume of about 180 million records, each of which can be retrieved from the central **database** within 10 minutes of the **original call**. Details on up to 400 calls can be inserted into the database every second, and up to 100 users can query the system simultaneously.

SUN...

19/3,K/15 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

01644419
Interface PBX Call Detail Recording directly to the HP 3000 .
NEWS RELEASE April 17, 1987 p. 11

Telamon, Inc. has released its upgraded PBX Engine, which captures PBX system **Call Detail Records** and sends them directly to an MPE file on the HP 3000. The Engine's standard memory has been increased from 8K bytes to 56K...

...The data can then be analyzed by the customer's own software. The Engine can support two PBX systems and a printer to provide hardcopy **backup** of **records** sent by the PBX.

...

19/3,K/16 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

14913145 SUPPLIER NUMBER: 90819837 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Portfolio accounting for individual investors. (Accounting).
Craig, Thomas R.
CPA Journal, 72, 8, 56(5)
August, 2002
ISSN: 0732-8435 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2988 LINE COUNT: 00329

... Calculating Realized Gains or Losses

The most intricate, error-prone part of a portfolio accounting system is calculating realized gains and losses and updating cost- detail records to reflect security sales, especially when a security has been purchased and sold in multiple lots and the quantities sold do not match quantities acquired in identifiable purchase lots. A set of subsidiary cost- detail records can effectively track the original acquisition cost of individual purchase lots, the cost of securities sold during the period, and the cost of individual purchase lots unsold at period end...

19/3,K/17 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

11118469 SUPPLIER NUMBER: 54876817 (USE FORMAT 7 OR 9 FOR FULL TEXT)
the buzz. (News Briefs)
Computerworld, 74(1)
June 14, 1999
ISSN: 0010-4841 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 299 LINE COUNT: 00028

TEXT:

...events, such as the initiation of an IP fax or launching of a streaming video over the intranet. The event triggers creation of an IP Detail Record, which can be saved in an Oracle database or included in other billing system records. Waiting in the WingsnBoth Narus and XACCT are pushing hard to establish themselves, while major players such as...

19/3,K/18 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

07266216 SUPPLIER NUMBER: 15207429 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Productive partnerships. (between cellular service operators and cellular software developers)
Snavely, David
Cellular Business, v11, n5, p82(1)
May, 1994
ISSN: 0741-6520 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1159 LINE COUNT: 00091

... items, and that performance pegs are calculated the same way. Make sure that the billing system will be ready to read any change in call detail records. Discuss a backup procedure to ensure that the old operating software can be restored if there is any trouble.
* Testing: A series of lab and field tests follows...

19/3,K/19 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

06783468 SUPPLIER NUMBER: 14836231 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Excelreport. (Software Review) (Computers & Accounting) (Evaluation)
Barth, Claire
Management Accounting (USA), v75, n6, p63(2)
Dec, 1993
DOCUMENT TYPE: Evaluation ISSN: 0025-1690 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1287 LINE COUNT: 00106

... A+ to F.

Details behind any grade can be reviewed and analyzed using SouthWare's zoom feature to move back step by step to the **original** entry. Searches for "exception" **detail records** based on grades or statistics furnish management with an individual analysis of those items making up the summary grade. The old adage that "what gets...

19/3,K/20 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00794366 94-43758
ExcelReport
Mullins, Barbara J
Management Accounting v75n6 PP: 63-64 Dec 1993
ISSN: 0025-1690 JRNL CODE: NAA
WORD COUNT: 1210

...TEXT: Figure 1 omitted)

Details behind any grade can be reviewed and analyzed using SouthWare's zoom feature to move back step by step to the **original** entry. Searches for "exception" **detail records** based on grades or statistics furnish management with an individual analysis of those items making up the summary grade. The old adage that "what gets...

19/3,K/21 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00642872 92-57812
Realizing Personal and Terminal Mobility
Bender, James; Brophy, Sean; Kaden, Neil; Quelch, Peter; Regnier, Jean
Telesis n94 PP: 80-94 Jul 1992
ISSN: 0040-2710 JRNL CODE: TLS
WORD COUNT: 4341

...TEXT: as service orders and user profiles;

- * control incoming call-routing management;
- * monitor the common air interface in conjunction with base stations for fault isolation and **recovery** ;
- * collect call- **detail records** ;
- * interface with other MCPs within its zone or with MCPs in other zones and networks; and
- * control interactive voice-response system to implement such enhanced...

19/3,K/22 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00172207 82-13768

A Close Look at IMS/VS 1.2

Konopolsky, Irwin

Computerworld v16n19 PP: In Depth 11-20 May 10, 1982

ISSN: 0010-4841 JRNL CODE: COW

...ABSTRACT: VS-Release 1.2-contains new functions and enhancements that improve the flexibility and performance of the product. These new features include Data Sharing, improved Data Base Recovery Control (DBRC) feature, support for new direct-access storage devices (DASD), enhanced printer support, and database/data collection system enhancement. The most exciting feature of...

... its ability to share databases among several concurrently executing IMS subsystems. The DBRC feature is a prerequisite for the Data Sharing feature. To help control **backup** and **recovery**, DBRC records in its Recon data sets information concerning image copy, **change accumulation**, **database recovery** and IMS log data sets. The IMS/VS 1.2 also offers full support for the 3375 and 3380 DASD. There are several enhancements in ...

19/3,K/23 (Item 1 from file: 674)

DIALOG(R)File 674:Computer News Fulltext

(c) 2003 IDG Communications. All rts. reserv.

058225

Tracking telephone fraud fast

65

Data warehouse aids WorldCom security

Byline: Jaikumar Vijayan

Journal: Computerworld Page Number: 75

Publication Date: March 17, 1997

Word Count: 476 Line Count: 45

Text:

...a day for the security group to get such information from the company's systems.

WorldCom's data warehouse has four days' worth of **Call Detail Records** online at any time. That translates into a volume of about 180 million records, each of which can be retrieved from the central **database** within 10 minutes of the **original** call. Details on up to 400 calls can be inserted into the database every second, and up to 100 users can query the system simultaneously.

SUN...

19/3,K/24 (Item 2 from file: 674)

DIALOG(R)File 674:Computer News Fulltext

(c) 2003 IDG Communications. All rts. reserv.

011430

Utilities

Journal: Computerworld Page Number: 42

Publication Date: November 12, 1990

Word Count: 73 Line Count: 5

Text:

BMC Software, Inc. has announced an IMS **database** product designed to recover **DL/1 databases**.

Recovery Plus reportedly needs to make only one pass of **change accumulation** and recovery log data sets while **recovering** multiple **databases** concurrently.

Perpetual license prices begin at \$17,500.

BMC Software

P. O. Box 2002

Sugar Land, Texas 77487

(800) 841-2031

19/3,K/25 (Item 1 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2003 Business Wire. All rts. reserv.

00429285 20001218353B7365 (USE FORMAT 7 FOR FULLTEXT)
Lightbridge Redefines Fraud Control With Comprehensive Fraud Detection
System-Next-Generation of Fraud Management Provides Enhanced Resource
Savings, Operational Effectiveness and Technology Management
Business Wire
Monday, December 18, 2000 08:03 EST
JOURNAL CODE: BUSINESS WIRE, COMTEX LANGUAGE: ENGLISH RECORD TYPE:
FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 717

...product management, fraud
products. "In a recent deployment, a client informed us that with
FraudBuster
5.0, they are able to process 50 million call detail records per day,
twice
what the original configuration was for this particular client."

FraudBuster 5.0 includes the following benefits and system enhancements:

User Benefits
-- Browser-based GUI enables quick access to...

19/3,K/26 (Item 1 from file: 613)
DIALOG(R)File 613:PR Newswire
(c) 2003 PR Newswire Association Inc. All rts. reserv.

00791383 20020708NYM025 (USE FORMAT 7 FOR FULLTEXT)
CA's Unicenter Database Management Solutions for IMS
PR Newswire
Monday, July 8, 2002 09:46 EDT
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 660

Unicenter Database Backup and Recovery
Unicenter Database Backup and Recovery suite for IMS takes the
guesswork
out of IMS backup and recovery by reducing the time to backup and recover
critical IMS production data. Enhancements include "point-in-time"
recovery
support that automates restoration of databases to a specific time
before a
malfunction or other problem occurred. A new product, Unicenter Change
Accumulation, consolidates changes from IMS logs, ensures data
availability
and speeds the recovery of IMS databases by eliminating unnecessary
updates
during recovery.

"New functionality such as point-in-time recovery and Unicenter Change
Accumulation add a lot of value by giving us the ability to pick the best
time
for recovery of our critical data," said Steve Potkonjak, team...
?

23/9/7 (Item 7 from file: 275)
DIALOG(R) File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01806345 SUPPLIER NUMBER: 17112220 (THIS IS THE FULL TEXT)
Performing recoveries in an open systems environment.
Knutson, Craig; Jamoussi, Anouar
Enterprise Systems Journal, v9, n11, p89(3)
Nov, 1994
ISSN: 1053-6566 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1624 LINE COUNT: 00129

ABSTRACT: Recovering data is difficult in a widely distributed system. Backup and recovery in open environments are primarily manual processes that are much more prone to human error than are the automated procedures of the mainframe environment. Within the mainframe environment, standard backup and recovery procedures are usually built into the DBMS and operating system and are fairly universal. In a distributed system however, different procedures may be used throughout the enterprise. Backups should be done regularly and with high-activity databases while on-line. On-line backups on client/server platforms causes special problems. Since a tablespace is the smallest granular unit an RDBMS will accept for backup, the entire tablespace must be backed up instead of a single data file. Also in client/server environments, backing up to tape requires a lot more user interaction, again leading to occasional errors. Automated tools as well as standards will become necessary as client/server continues to evolve.

TEXT:

As enterprises distribute production data and applications between mainframes and distributed platforms, the ability to quickly and accurately recover data becomes increasingly difficult. The flexibility and open structure that make distributed environments attractive for data accessibility and ad hoc queries also create significant risks of data loss or corruption. The danger lies in the fact that backups and recoveries in the open systems environment are, for the most part, manual processes that can be executed in so many varied and individual ways that the opportunities for human error increase exponentially.

Unstructured Environment

In the mainframe environment, standard procedures for backup and recovery are built into DBMSes and operating systems and are followed almost universally. In the open systems world of data management, however, it is impossible to predict what recovery plans or procedures may be used from one location to another, even within the same enterprise. This is because there is no universal standard for backing up client/server RDBMSes in a distributed environment.

This lack of structure presents a number of hazards, since it places the responsibility for remembering and executing backup and recovery procedures entirely on a DBA or designated user. This reliance on human intervention creates more than ample opportunity for oversights, omissions and procedural errors both in creating viable backups as well as executing complete and accurate recovery procedures. This article examines some of the major issues associated with backup and recovery management in a typical client/server DBMS environment.

Performing Backups

The first step in preparing for any recovery is to perform a backup. Ideally, backups are done on a scheduled basis with enough frequency to allow a viable recovery in a meaningful time frame. In the case of large, high-activity databases, backups are usually done on-line, while the DBMS is still open to users. Sometimes referred to as "hot" backups, these consist of a snapshot image of the database taken over a period of time.

Hot backups always result in "fuzzy" images, i.e., a copy of the database with some updates out-of-synch. Without logs, a fuzzy backup will not produce a consistent recovery. To recover a database that was backed up on-line, archive logging must have been performed at the same time and, of course, following the backup. The logs could then be used in conjunction with the image copies at recovery time.

There are important issues to be considered in performing on-line backups on client/server platforms. Most of the RDBMS architectures in the

client/server world do not allow the granularity necessary to roll one database to a prior point in time. In Oracle (Oracle Corp., Redwood Shores, CA), for example, to back up a data file, the entire tablespace containing it must be backed up. A tablespace is the smallest unit of granularity the RDBMS will accept for backups. This can be done with the ALTER TABLESPACE and BEGIN BACKUP commands. At this point, Oracle causes full-block logging to the redo buffer for changes to any block in the tablespace marked for backup.

This sounds harmless but is not. It means any time part of a block within that tablespace is changed, the entire block is written to the redo buffer. The result is that redo logs grow rapidly and archive processing consumes vast resources. It also means recoveries using these logs will take longer than they should since redundant data is being written.

In Sybase (Microsoft/Sybase, Inc., Emeryville, CA), on the other hand, it is impossible to automatically isolate a particular entity, such as a table, and back up or restore it independently. If one table is corrupted, the entire database must be recovered. So, to recover a table that might take 15 minutes if recovered alone may actually take five hours.

Lack Of Granularity

With Oracle, tablespaces are contained in a logical entity called an "instance." An instance in Oracle is the executing software that is managing a particular database. Each instance manages different databases. To roll back a tablespace, therefore, the entire instance, in effect the whole database, must be rolled to the same point in time. Rolling back an entire database to a prior point in time is a much larger task and disrupts many more users than rolling back a single table, since it requires stopping every application within the instance.

Recovering Sybase requires two **backup** sources -- a **database** dump, which amounts to an **image copy**, and a transaction dump, which equates to log **records**. To **restore** the **database**, both of these must be reloaded, i.e., the entire database dump is loaded and all of the transaction dumps are written to it. Most shops take a database dump at more or less regular intervals and transaction dumps more frequently. So, a database dump might be done nightly and transaction dumps hourly.

Both of these actions are at the database level and provide the only points in time to which the **database** can be **recovered**. This means if a shop takes hourly transaction dumps, for example, and wants to recover back just a half-hour, it cannot do so. It must choose the closest hourly time point, which makes the recovery take longer and is less accurate.

In this case, transaction dumps should be taken frequently. If they are taken only at long intervals, such as nightly, then a restore will take a long time, because Sybase makes you restore the entire database and run the entire transaction dump. If transaction dumps are taken more frequently, they will be smaller and take less time to run. The greater frequency also provides more points in time from which to begin the restore.

Tape Management

Tape management is another area where the lack of infrastructure presents an opportunity for error. In open systems environments, backing up to tape requires a great deal of user interaction and specification. Someone must specify the destination tape drive and address to which the backup will write, along with other parameters such as whether to rewind when the job is completed.

When it comes to restoring the database, i.e., applying the logs to the backup copy, it is again a manual process to identify which tapes hold the data sets or transaction dumps to restore. There are no utilities to simplify this task. The user must keep track of the tapes that will be needed for the recovery process. There is no internal mechanism for automatically recording them. Since DBAs have many administrative responsibilities, it is not uncommon for a shop to lose track of new data files that have been added. Adding more space to an Oracle instance, for example, may not make it into the formal documentation on that instance.

Having determined the names of the data sets, someone must physically locate them. Once the tapes have been located and mounted, it is still a manual task to extract the files. Someone must manually give a destination from which to extract the logs and apply them to the database.

Archiving Alternatives

Despite the difficulties, most shops with mission-critical data

perform archiving (although some do not) because of resource consumption tradeoffs. Even those that do on-line archiving sometimes unwittingly put themselves in a nonrecoverable situation.

Consider, for instance, an Oracle shop that wants to allow an application to run all night, but in the course of the night as archive logs are writing out to disk, the disk fills up. In this case, Oracle will hang, waiting for manual intervention.

The sheer size of on-line archive logs creates resource management problems -- both human and hardware. Installations that elect not to maintain archive logs live with the only other alternative, which is to go off-line and do a cold backup occasionally and face the fact that, in case of a failure, they can only recover to the point of backup.

Another "solution" sometimes adopted is to overcompensate with hardware. That may mean paying for a 2GB disk just to cope with the archive logs. It is cheaper than having someone sitting at a console waiting for a message to come across to mount a tape, and it helps alleviate the management problem associated with archive logging. It lets the shop create more archive logs between the tasks of cleaning up the old ones or dumping them to tape.

Conclusion

Protecting the integrity of data residing in server-based RDBMSes such as Oracle and Sybase will be increasingly important as more enterprises distribute production applications onto these platforms. The lack of standards for managing recoveries in these environments and the reliance on manual procedures make the recovery process unnecessarily slow, uncertain and error-prone.

It seems apparent that automated tools for managing recoveries in the client/server world are a critical step in the evolution of these RDBMSes as reliable repositories for mission-critical data.

ABOUT THE AUTHORS

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Anouar Jamoussi, a product developer with BMC Software, has been involved for the past several years in the quality assurance and development of several products in the areas of DB2 performance and tuning. BMC Software, 2101 Citywest Blvd., Houston, TX 77042, (713) 918-8800.

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23/3,K/1 (Item 1 from file: 275)
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02279097 SUPPLIER NUMBER: 54117338 (USE FORMAT 7 OR 9 FOR FULL TEXT)
A Search and Deploy Mission, Part 1. (Technology Tutorial)
Sayles, Jonathan
Enterprise Systems Journal, 14, 3, 76(1)
March, 1999
ISSN: 1053-6566 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2777 LINE COUNT: 00229

... any business or system-wide issues. Depending on how extensive the damage caused by the problem, or for how long any problems have persisted undetected: **Files** may have to be **restored** from backups from a previous point-in-time; **Jobs** may have to be re-run from a previous point-in-time (synchronized with file generations...)

...existing production logic ... and/or ... Modify the JCL (if the error included JCL issues)

Compile and Link the new version of the application. Create an "**image copy**" of the production file system, in order to test your fix; Re-Run the batch job and analyze results; Run "Regression Tests" against the new...
?t/3,k/2-51

23/3,K/2 (Item 2 from file: 275)
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02277621 SUPPLIER NUMBER: 54082321 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Postcards from Over the Edge. (Technology Tutorial) (Tutorial)
MICHAU, TIM
Intelligent Enterprise, 2, 4, 32(1)
March 9, 1999
DOCUMENT TYPE: Tutorial LANGUAGE: English RECORD TYPE: Fulltext;
Abstract
WORD COUNT: 4331 LINE COUNT: 00321

... limit for application page locks. We solved this problem by increasing the DSNZPARM NUMLKUS to 25,000 from 10,000, which was the IBM default.

BACKUP, RECOVERY, AND MAINTENANCE

Image copy schedule. As we all know, critical systems that have constant updates need to be copied at least once a day. You don't need to lose data or recovery time by having a week-old **image copy** and trying to recover from that. Again, our warehouse is different. To aid in restartability, we take copies of selected tables several times during the monthly load process. Because we purchased third-party fast **image copy** and recover utilities, we found that when problems arise with a program or process, it's sometimes easier and faster to recover an entire table...

23/3,K/3 (Item 3 from file: 275)
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02254033 SUPPLIER NUMBER: 21270626 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Disaster recovery using real-time disk data copy. (remote copy technology)
(Technology Information)
Mikkelsen, Claus
Enterprise Systems Journal, v13, n11, p34(4)
Nov, 1998
ISSN: 1053-6566 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3350 LINE COUNT: 00273

... These write failures, especially multiple write failures, can sufficiently corrupt the database at the primary location; the only

recourse a customer might have is to **recover** that **database** from the previous **image copy** (tape). If this corruption is allowed to propagate to the secondary location as well, any attempt to start the critical applications at the secondary location can result in a lengthy recovery from **image copy** tapes.

Put another way, in the simplex scenario (no remote copy), following a rolling disaster, the only hope of successfully recovering critical data might be...

23/3,K/4 (Item 4 from file: 275)
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02010297 SUPPLIER NUMBER: 18855022 (USE FORMAT 7 OR 9 FOR FULL TEXT)
DB2 stand-alone utilities, IDCAMS and bufferpools. (Product
Support) (Tutorial)
Sniatecki, Jim
Enterprise Systems Journal, v11, n10, p64(5)
Oct, 1996
DOCUMENT TYPE: Tutorial ISSN: 1053-6566 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2806 LINE COUNT: 00212

... can be used to recover DB2 tablespaces from full image copies no longer inventoried in the DB2 catalog in SYSIBM.SYSCOPY. Whenever DB2 performs an **image copy** of a DB2 tablespace, the DB2 catalog table SYSCOPY is updated with information required to perform a recovery of the tablespace. This information is used by IBM's RECOVER utility and allows for various recovery scenarios, such as TOCOPY, TORBA or TOVOLUME. However, once an **image copy** is removed from DB2's knowledge via the MODIFY utility, you can still use the **image copy** to recover the tablespace or even restore it to another DB2 subsystem. This implies, of course, that the **image copy** data set still exists on either tape or disk. IBM states that DSN1COPY is not intended for use in place of its **COPY** utility or standard **backup** and recovery procedures. It should be used with discretion when other options are not viable. IBM further states that improper use of DSN1COPY may result...

...record of the following DB2 database, tablespace and table identifiers: DBID, PSID and table OBID values found in SYSIBM.SYSTABLESPACE and SYSIBM.SYSTABLES. If a **record** is not **saved**, one may be located in a DSN1PRNT of page 0 of the **image copy** data set.

* A DB2 database is often recognized by a name such as CUSTPDB database. A database usually contains several tablespaces that consist of tables...

23/3,K/5 (Item 5 from file: 275)
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01829702 SUPPLIER NUMBER: 17285147 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The basics of DB2 Version 3 COPY. (DB2's COPY utility) (Tutorial)
Hauser, Dave; Nguyen, Mai
Enterprise Systems Journal, v10, n7, p42(4)
July, 1995
DOCUMENT TYPE: Tutorial ISSN: 1053-6566 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1835 LINE COUNT: 00145

... also make use of tablespace image copies during recovery. By using image copies of the tablespace, the quantity of log and the number of log records applied during **recovery** can be reduced. The DB2 COPY utility is the tool provided with DB2 that is used to create these image copies.

Full And Incremental Copies

The COPY utility is able to produce two forms of tablespace image copies: full and incremental. A full **image copy** is a complete duplicate

that contains all pages in the tablespace. An incremental **image copy** contains only those pages in the tablespace that have been changed since the last **copy** operation was performed.

To rebuild a given tablespace, the RECOVER utility starts first with a full **image copy**. Upon this full **image copy**, RECOVER then overlays the changes contained in incremental **image copies** and finally applies any log records that contain changes made after the most recent **image**...

23/3,K/6 (Item 6 from file: 275)
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01825748 SUPPLIER NUMBER: 17213747 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Guarding NetWare data: two packages, one self-contained solution tackle
problem. (Arcada Software Inc's Backup Exec for NetWare Enterprise
Edition 7.0, Intel's StorageExpress II and Palindrome Corp's Storage
Manager 4.0) (includes related article on the great architecture
debate) (PC Week Netweek) (Software Review) (Evaluation)
Katz, William F.
PC Week, v12, n33, pN1(4)
August 21, 1995
DOCUMENT TYPE: Evaluation ISSN: 0740-1604 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2919 LINE COUNT: 00239

... the trade-off worthwhile.

Because the StorageExpress II system runs NetWare, it includes an option to back up the unit's internal hard disk. This **image copy** can be used to restore the entire drive, including the DOS partition. If you have two or more drives on the unit, it can make a tape-to-tape **copy** of the targeted data after **backup**.

Each of the three solutions we tested allowed for a verify pass when doing backups, but Storage Manager 4.0 let us choose the level...

23/3,K/7 (Item 7 from file: 275)
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01806345 SUPPLIER NUMBER: 17112220 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Performing recoveries in an open systems environment.
Knutson, Craig; Jamoussi, Anouar
Enterprise Systems Journal, v9, n11, p89(3)
Nov, 1994
ISSN: 1053-6566 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1624 LINE COUNT: 00129

... task and disrupts many more users than rolling back a single table, since it requires stopping every application within the instance.

Recovering Sybase requires two **backup** sources -- a **database** dump, which amounts to an **image copy**, and a transaction dump, which equates to log **records**. To **restore** the **database**, both of these must be reloaded, i.e., the entire **database** dump is loaded and all of the transaction dumps are written to it. Most...

...done nightly and transaction dumps hourly.

Both of these actions are at the **database** level and provide the only points in time to which the **database** can be **recovered**. This means if a shop takes hourly transaction dumps, for example, and wants to recover back just a half-hour, it cannot do so. It...

23/3,K/8 (Item 8 from file: 275)
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01532153 SUPPLIER NUMBER: 12552259 (USE FORMAT 7 OR 9 FOR FULL TEXT)

DBAs face challenge of 24 by 7 availability: role of database utilities is crucial to keep applications up and running. (Data Management/DBMS)
Keyes, Jessica
Software Magazine, v12, n11, p58(5)
August, 1992
ISSN: 0897-8085 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3046 LINE COUNT: 00238

... logs to be applied.
* An application failure requires the recovery of a table space. The most recent copy is unreadable, and the next most recent **copy** is a volume **backup**. DB2 does not recognize a volume backup.
* Nine hours into a 10-hour recovery, the job fails.
* The DBA needs to recover a large, partitioned table space and index, and also **image** **copy** the table space. Each table space partition must be recovered in sequence. Then each partition must be reread so that the index key information can be extracted and the index built. Finally, each of the partitions must be read again to take **image** **copy**.
Since most organizations cannot develop their own hardware and software, they must depend on external vendors to provide the databases -- and the utilities to maintain...

23/3,K/9 (Item 9 from file: 275)
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01527636 SUPPLIER NUMBER: 12485409 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Departmental LANs. (LAN Buyers Guide: Departmental LANs) (Buyers Guide)
LAN Magazine, v7, n8, p92(22)
August, 1992
DOCUMENT TYPE: Buyers Guide ISSN: 0898-0012 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3427 LINE COUNT: 01245

... 1,290 plus node charge.
VORTEX TC376
The TC376 Storage Management System provides continuous, online backup and storage fault tolerance for NetWare LANs. It can **back up** open **files**, eliminating the time between tape backups when data is unprotected. It provides point-in-time recovery of lost data. It gives real-time notification...

...for OS/2 delivers fault tolerance for OS/2 database servers through hardware-based disk mirroring and imaging. It automatically creates a disk **image** **copy** to removable media. It features hot replacement of failed drives and transparent data restoration. It gives real-time notification of fatal drive errors. The...

23/3,K/10 (Item 10 from file: 275)
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01436033 SUPPLIER NUMBER: 10852548 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Backup and Verification for VSE. (BMC Software Inc.'s file management software) (Systems Software) (Mainframes) (New Products) (product announcement)
Software Magazine, v11, n7, p130(1)
June, 1991
DOCUMENT TYPE: product announcement ISSN: 0897-8085 LANGUAGE:
ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 84 LINE COUNT: 00006

The new product identifies the exact location and nature of **database** errors; **restores** the **database** dataset from an **image copy**; prints database blocks for use in error diagnosis; zaps bytes in database blocks to repair errors; analyzes HDAM randomizing routines; and provides information reports for managing DL/1 **databases**.

A perpetual license for **Backup** and Verification for VSE starts at \$6,000.

23/3,K/11 (Item 11 from file: 275)
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01434578 SUPPLIER NUMBER: 10799185 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Vortex Systems announces **RetroChron 400 series**. (product announcement)
LAN Computing, v2, n9, p27(1)
April 23, 1991
DOCUMENT TYPE: product announcement ISSN: 1055-1808 LANGUAGE:
ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 277 LINE COUNT: 00021

... of the **RetroChron 300 Series**, the **400 Series** features a rotating window of backup protection using Winchester storage subsystems. The system has the ability to **back up** open **files** and incompatible **file** structures.

Through its virtual primary mirror, **RetroChron 400** is able to deliver continuous backup and fault tolerance. Through its virtual time device, **RetroChron 400** can quickly recreate the state of the primary disk prior to data corruption to recover "lost" data.

With the **400 Series**, an **image copy** of the primary disk can be automatically created at user-selected intervals to write-once optical, magneto-optical or tape devices for off-site storage. If a catastrophic even occurs and the entire network is lost, the stored **image copy** can be copied onto a new primary disk to restore the entire system.

TC376 MCA, designed for the MCA hardware platform running NetWare 386, V3...

23/3,K/12 (Item 12 from file: 275)
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01371430 SUPPLIER NUMBER: 08755390 (USE FORMAT 7 OR 9 FOR FULL TEXT)
RSTS has a new spring in its step. (Elevenses)
King, Alistair
DEC User, p21(2)
July, 1990
ISSN: 0263-6530 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1746 LINE COUNT: 00129

... FEATURES. The introduction of version 10 marks the end of perhaps one of the most problematical functions of **RSTS** - SAVRES - which has been replaced by **Backup /Image**. Image mode **backup** will **copy** a complete disc, **file** by **file**, to any **RSTS** disc.

This has several advantages over the SAVRES **image copy** function. Because **Backup** is copying **file** by **file**, the output volume is a defragmented and optimised disc. **Backup** is able to cope far more satisfactorily with any bad blocks on the output ...made, provided there is enough disc space. if nothing else, this will make disc upgrades a very simple and safe operation.

Another new feature is **Backup / Copy**, which allows individual **files** to be copied between discs. This function is already provided by Pip, but the difference is that **Backup / Copy** makes use of asynchronous I/O and is therefore considerably faster.

Version 10 also sees an increase in the maximum tape block size from 4096...

23/3,K/13 (Item 13 from file: 275)
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01369748 SUPPLIER NUMBER: 08746824 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Update; handling change. (Hands-on SQL; structured query language; includes
related article on COMMIT: making changes permanent) (column)
Sayles, Jonathan S.
Data Based Advisor, v8, n7, p41(3)
July, 1990
DOCUMENT TYPE: column ISSN: 0740-5200 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1462 LINE COUNT: 00141

... go surfing--unconditionally.
As always, there's no unUPDATE command.
To undo "committed" damage to tables, you have to "RECOVER" tables
using some kind of **image copy file** and table **recovery** utility.
Utilities are generally not easy (or fun) to use, so carefully pre-test
conditions in your WHERE clauses before executing UPDATES.
The best way...

23/3,K/14 (Item 14 from file: 275)
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01363167 SUPPLIER NUMBER: 08531182 (USE FORMAT 7 OR 9 FOR FULL TEXT)
VMS, Unix systems tougher to tune up.
Winston, Alan
Software Magazine, v10, n7, p45(5)
June, 1990
ISSN: 0897-8085 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3114 LINE COUNT: 00250

... use of a VMS disk, and the effect on I/O capability may be
significant.
DEC's recommended solution for fragmentation is to use the **backup**
utility to make an **image copy** of the disk on another medium--disk or
tape--and then to restore that **backup** onto the **original** disk. **Files**
will be created contiguously.
There are a few drawbacks to this procedure, however. First, the disk
is unavailable to users for as long as the...

23/3,K/15 (Item 15 from file: 275)
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01254447 SUPPLIER NUMBER: 06935657 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Tape backup.
Crabb, Don
MacWEEK, v2, n33, p31(1)
Aug 16, 1988
ISSN: 0892-8118 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 907 LINE COUNT: 00067

...ABSTRACT: are being planned by Irwin Magnetic Systems Inc and Tecmar.
Three approaches to backups are used including **image**, which creates a
bit-by-bit mirror image copy of the hard disk into the **backup** device;
file -by- file, which copies individual files according to the user's
specifications; and **incremental**, which copies only those files that are new
since the last backup. Backup...

23/3,K/16 (Item 16 from file: 275)

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01244535 SUPPLIER NUMBER: 06653859 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Preventing data loss disasters. (hard disk backup) (includes related
articles on WORM technology and DAT technology)
Seymour, Jim
PC Magazine, v7, n10, p92(5)
May 31, 1988
ISSN: 0888-8507 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3401 LINE COUNT: 00251

... There's no time wasted running a RESTORE command, crossing your
fingers, and hoping it will work. Since a backup Bernoulli cartridge is a
mirror- image copy of the original, is a stick that backup in your
Iomega drive and go to work.

Even if you already own one or more PCs with built-in...

23/3,K/17 (Item 17 from file: 275)
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01241565 SUPPLIER NUMBER: 06573765 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Backing up: a few steps toward safer data.
Tanzer, Joshua
Administrative Management (the Magazine of Office Administration and
Automation), v49, n2, p27(5)
March, 1988
ISSN: 0884-5905 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3606 LINE COUNT: 00271

... removable media.
Software advances

All of these media come with software, most of it full of different
backup options. Most software includes two types of backup : "image" and "
file -by- file ." An image copy duplicates everything from the hard
disk, usually with provisions for locating bad sectors. File-by-file
procedures allow the user to make choices about what...

23/3,K/18 (Item 18 from file: 275)
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01177143 SUPPLIER NUMBER: 04274194 (USE FORMAT 7 OR 9 FOR FULL TEXT)
No backups means going in reverse. (includes article on hard disk backup
systems)
Dickinson, John
PC Magazine, v5, p241(6)
June 10, 1986
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2776 LINE COUNT: 00200

... perennial favorite when it comes to dual disk strategies because
most models include two drives from the start. The company has always
provided a bit- image copy command (ICOPY) to maintain two of its
oversized floppy disks, and more recent versions of its utilities include
IBACKUP and IRESTORE, which can be used...

...have recently come down in price, making them more attractive for backup
than they once were. Two strategies are generally used with tape: a bit-
image copy of the entire disk onto the tape (like DISKCOPY makes on
floppies), and file -by- file backup , which makes copies of individual
files (like the COPY command). Strategic options for your backup
procedure will depend on the software delivered with the tape unit.

Several software products that replace BACKUP and RESTORE have come
on the market in...

23/3,K/19 (Item 19 from file: 275)
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01176424 SUPPLIER NUMBER: 00657205 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Tape Backup: Measuring Speed & Cost per Megabyte.
Machrone, Bill
PC Magazine, v5, n3, p106-109
Feb. 11, 1986
DOCUMENT TYPE: evalution ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 14206 LINE COUNT: 01043

... a number of appendixes, and chapter tabs. In addition, they are liberally sprinkled with "hints"--including some that are quite obvious, like "You cannot use **Image Copy** until you have formatted the tape cartridge and assigned volumes." There is also a quick reference card.

I pity anyone who needs to call Hewlett...

...should be considered in two cases: If you intend to do only disk image operations, or if you have a spare weekend to do a **file -by- file backup**

I.sup.2.'s I.sup.2.TAP45X
I.sup.2 Interface's I.sup.2.TAP45X tape backup unit is full of surprises. It...

23/3,K/20 (Item 20 from file: 275)
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01136120 SUPPLIER NUMBER: 00646905
HP Introduces Data-Storage, Backup Products.
PC Week, v2, n34, p98
Aug. 27, 1985
DOCUMENT TYPE: evalution ISSN: 0740-1604 LANGUAGE: ENGLISH
RECORD TYPE: ABSTRACT

...ABSTRACT: unit provides storage for 15-to 60M-bytes of data per cartridge and provides an error-correction system. The drive also offers image and selective **file -by- file copy** and **restore**, as well as **file -by- file restore** from an **image copy**. The HP 9142A also features off-line tape formatting and can emulate a hard disk. This unit sells for \$1,690. Hewlett-Packard's other...

23/3,K/21 (Item 21 from file: 275)
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01103275 SUPPLIER NUMBER: 00570378 (USE FORMAT 7 OR 9 FOR FULL TEXT)
HardFile: Seventy Megabytes of Memory Muscle.
Rosch, W.L.
PC Magazine, v3, n18, p124-127
Sept. 18, 1984
DOCUMENT TYPE: evalution ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2822 LINE COUNT: 00209

... image to a disk divided differently with different bad tracks; in other words, to any other hard disk than the exact one the bit- **image copy** was made from--and the result is likely to be unusable.

In other words, the streaming tape backup protects against your errors--the inadvertent blowing...

...when you restore the streaming tape copy, you restore everything on the

disk back to its previous incarnation. If the hard disk you decide to restore to has files updated on it that were updated after the last backup was made, all of those updates will be consigned to never-never land.

The problem...

23/3,K/22 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou. (R)
(c) 2003 The Gale Group. All rts. reserv.

02147457 Supplier Number: 55445762 (USE FORMAT 7 FOR FULLTEXT)
NEON Systems Raises the Bar With Enhancements to IMS Reorganization Tools.
PR Newswire, p8829
August 16, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 506

... reveal faster unload and load elapsed time than the standard tools shipped with IMS," stated Joe Backer, president and CEO, NEON Systems.

Database administrators traditionally **image copy** primary and secondary indices whenever databases are unloaded and reloaded -- adding complexity and cost to reorganizations and other maintenance tasks. Using image copies also lengthens **recovery**, reducing **database** availability. Dynamic Index Utility streamlines database maintenance and raises IT productivity. It eliminates the need to make image copies of indices and enables database administrators...

23/3,K/23 (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou. (R)
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01747130 Supplier Number: 53169680 (USE FORMAT 7 FOR FULLTEXT)
PLATINUM technology Launches Database Vitality Program to Manage PeopleSoft Applications on DB2 for OS/390.
Business Wire, p1172
Nov 4, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1092

... problems occur and then to remove any errant changes which were made to the DB2 data.
PLATINUM DB2 Data Movement for PeopleSoft Applications
-- PLATINUM Quick **Copy backs up** PeopleSoft tables faster than the DB2 **IMAGE COPY** utility.
-- PLATINUM Fast Load can load PeopleSoft test data far faster than the DB2 **LOAD** utility.
-- PLATINUM Fast Unload can extract data from DB2 tables...

23/3,K/24 (Item 3 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou. (R)
(c) 2003 The Gale Group. All rts. reserv.

01177745 Supplier Number: 42476255 (USE FORMAT 7 FOR FULLTEXT)
CAMBEX CORPORATION RELEASES HIGH CAPACITY QIC TAPE SYSTEM FOR THE IBM RS/6000
News Release, p1
Oct 30, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 550

... prompts the

operator through a series of options. The Certi-Stream software offers several other features, including: access from menu, AIX commandline or through batch **file** operations; **backup / restore** at **file** or directory level; incremental or full **backup / restore**, including a bootable **image copy ; backup** /**restore** by specific date, and; tape ID, list commands, multiple tape volumes, and other media management capabilities.

-- Pricing and Availability --

The 6800-70 is available...

23/3,K/25 (Item 4 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
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01177744 Supplier Number: 42476254 (USE FORMAT 7 FOR FULLTEXT)
CAMBEX CORPORATION RELEASES HIGH CAPACITY OIC TAPE SYSTEM FOR THE IBM RS/6000

News Release, p1
Oct 30, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 551

... prompts the operator through a series of options. The Certi-Stream software offers several other features, including: access from menu, AIX commandline or through batch **file** operations; **backup / restore** at **file** or directory level; Incremental or full **backup / restore**, including a bootable **image copy ; backup** /**restore** by specific date, and; tape ID, list commands, multiple tape volumes, and other media management capabilities.

Pricing and Availability

The 6800-70 is available...

23/3,K/26 (Item 5 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

01158802 Supplier Number: 41962164 (USE FORMAT 7 FOR FULLTEXT)
BMC Software Announces BACKUP and VERIFICATION for VSE
News Release, p1
March 29, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 329

... that is also significantly faster than the IBM utilities."

BACKUP and VERIFICATION for VSE provides these important functions: identifies the exact location and nature of **database** errors; **restores** the **database** data set from an **image copy**; prints **database** blocks for use in error diagnosis; zaps bytes in **database** blocks to repair errors; analyzes HDAM randomizing routines; and provides information reports for managing DL/I **databases**.

BACKUP and VERIFICATION for VSE is priced by CPU level and begins at \$6,000 for a perpetual license. For more information, call 1800841-2031 in...

23/3,K/27 (Item 6 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

01005601 Supplier Number: 39555093 (USE FORMAT 7 FOR FULLTEXT)
HP INTRODUCES NEW IBM-COMPATIBLE, HARD-DISC DRIVES, 1/4-inch STREAMING-TAPE
DRIVE
PR Newswire, pN/A
July 1, 1985
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1110

... writes 50-percent redundant or extra data; thus, even if the tape becomes defective in spots, the backup system, using error-correction techniques, can reconstruct **original files** from the repeated portions.

Unlike many tape drives on the market today, the HP drive provides flexibility in meeting varied copying requirements. It provides image copy and restore, selective **file -by- file** copy and **restore**, as well as **file -by- file restore** from an **image copy**.

Image copies are very fast, but an image restore wastes time when the user needs only one **file**. A selective- **file backup** is time consuming, but a selective- **file restore** is convenient for bringing back specific **files**. The HP drive can **backup** and restore in any mode.

Because it is fully PC DOS compatible, the HP 9142A also can emulate a hard disc. Using standard PC DOS...

23/3,K/28 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

04670593 Supplier Number: 61602079 (USE FORMAT 7 FOR FULLTEXT)
Uncover hidden profits in 3-D kinetic color technique.
Hruby, K. C.
The Press, v21, n5, p108
May, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1596

... find objects selected that have no fill or stroke color: Delete them.
* Now select Show All and bring back all of your lines plus your **original image**. Select the **original image**, **copy /paste** in front

23/3,K/29 (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

04466010 Supplier Number: 56646144 (USE FORMAT 7 FOR FULLTEXT)
NEON ENHANCES CLASSIC IMS TOOLS.
Online Product News, v18, n11, pNA
Nov, 1999
Language: English Record Type: Fulltext

Document Type: Newsletter; Trade
Word Count: 462

... reveal faster unload and load elapsed time than the standard tools shipped with IMS," stated Joe Backer, president and CEO, NEON Systems.

Database administrators traditionally **image copy** primary and secondary indices whenever databases are unloaded and reloaded -- adding complexity and cost to reorganizations and other maintenance tasks. Using image copies also lengthens **recovery**, reducing **database** availability. Dynamic Index Utility streamlines database maintenance and raises IT productivity. It eliminates the need to make image copies of indices and enables database administrators...

23/3,K/30 (Item 3 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

04433869 Supplier Number: 55779598 (USE FORMAT 7 FOR FULLTEXT)

NEON DEBUTS ENHANCEMENTS TO CLASSIC IMS TOOLS.

Worldwide Databases, v11, n10, pNA

Oct, 1999

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 492

... reveal faster unload and load elapsed time than the standard tools shipped with IMS," stated Joe Backer, president and CEO, NEON Systems.

Database administrators traditionally **image copy** primary and secondary indices whenever databases are unloaded and reloaded -- adding complexity and cost to reorganizations and other maintenance tasks. Using image copies also lengthens **recovery**, reducing **database** availability. Dynamic Index Utility streamlines database maintenance and raises IT productivity. It eliminates the need to make image copies of indices and enables database administrators...

23/3,K/31 (Item 4 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

04409419 Supplier Number: 55505114 (USE FORMAT 7 FOR FULLTEXT)

NEON SYSTEMS: NEON Systems raises the bar with enhancements to IMS reorganization tools.

M2 Presswire, pNA

August 19, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 530

... reveal faster unload and load elapsed time than the standard tools shipped with IMS," stated Joe Backer, president and CEO, NEON Systems.

Database administrators traditionally **image copy** primary and secondary indices whenever databases are unloaded and reloaded -- adding complexity and cost to reorganizations and other maintenance tasks. Using image copies also lengthens **recovery**, reducing **database** availability. Dynamic Index Utility streamlines database maintenance and raises IT productivity. It eliminates the need to make image copies of indices and enables database administrators...

23/3,K/32 (Item 5 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

02678767 Supplier Number: 45431492 (USE FORMAT 7 FOR FULLTEXT)

PLATINUM ENHANCES ITS DATABASE RECOVERY SOLUTION

M2 Presswire, pN/A

March 29, 1995
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 999

... to retain and which to delete. As a result, DBAs can save specific information and recover to a variety of points (including recovery based on **image copy** dataset name) instead of being limited to a few date-specific points of recovery. PLATINUM Fast Recover 1.2 Features and Benefits

PLATINUM Fast Recover...

...failure, fire, or other disaster. In addition to significant performance improvements, Version 1.2 expands upon previous recovery functionality by adding several new features, including:

* **Recover Database** Command - reduces **recovery** time by automatically searching and identifying which **database** objects will need to be **recovered**. Manual analysis and intervention is eliminated.

* **Object Identification (OBID) Translation** - provides several benefits which include: allowing deleted ("dropped") objects to be recovered and restored (this...)

...the movement ("migration") of data while keeping it available to users for updates; and allowing data to be recovered offset, perhaps for disaster recovery.

* **Inline Image Copy** - reduces total recovery time by creating image copies during the recovery of tablespaces versus waiting until the tablespace is fully recovered before image copies can...

23/3,K/33 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

06293345 Supplier Number: 54471089 (USE FORMAT 7 FOR FULLTEXT)
SAN Backs Up Financial Assets. (Morgan Stanley Dean Witter Trust employs DST Systems' DST Automated Work Distributor) (Product Information)
Wagner, Mitch
InternetWeek, p19(1)
April 26, 1999
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 680

... to take a snapshot of the database-a copy of all the information frozen at a particular point in time-and then use the mirror- **image copy** to make a **backup** at a remote location.

The company has 1.5 terabytes of storage at the backup location, including all the production data but not test data...

23/3,K/34 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

05141738 Supplier Number: 47848436 (USE FORMAT 7 FOR FULLTEXT)
To catch a thief
Bort, Julie
InfoWorld, p77
July 21, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1125

... agent or prosecutor [from pursuing the case].

Ideally you want to store away the original hard drive. If it is not possible to maintain the **original** you must maintain a perfect **copy** -- but not by using the **Copy** command. The time and date stamp are important.

We all know how we can change those by changing the date on the computer, but the mirror- image copy must be able to be treated as the original . Make a copy of the original or mirror image to give to police and lawyers, but keep the original or mirror image literally sealed someplace where you are the only person...

23/3,K/35 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

03960036 Supplier Number: 45739246 (USE FORMAT 7 FOR FULLTEXT)
Guarding NetWare data
PC Week, pn1
August 21, 1995
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 2867

... the trade-off worthwhile.

Because the StorageExpress II system runs NetWare, it includes an option to back up the unit's internal hard disk. This image copy can be used to restore the entire drive, including the DOS partition. If you have two or more drives on the unit, it can make a tape-to- tape copy of the targeted data after backup .

Each of the three solutions we tested allowed for a verify pass when doing backups, but Storage Manager 4.0 let us choose the level...

23/3,K/36 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

02527877 Supplier Number: 43347426 (USE FORMAT 7 FOR FULLTEXT)
TAPE BACKUP SYSTEMS: Backup Strategies For Big Networks
Network Computing, p123
Oct 1, 1992
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2276

... an entire disk-drive image for each server to tape each night.

In the old days, the traditional method of backing up sufficed: A whole- image copy of the network's servers was done once a week or once a month, with incremental backups scheduled daily. Administrators did not pay much attention to the types of files backed up or how often the files were modified. This method, typically using one tape drive for one or two servers, was reliable and worked well for most small (and relatively static...

23/3,K/37 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

02046149 Supplier Number: 42641367 (USE FORMAT 7 FOR FULLTEXT)
BACKUP: NEW TECHNOLOGIES FOR LARGE LANS
Network Computing, p52
Jan, 1992
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2793

... drive image for each server on the network to tape each night.

In the old days, the traditional method of backing up sufficed: A whole- image copy of the network's servers was done once a week or once a month, with incremental backups scheduled on a daily basis.

Administrators did not pay much attention to the types of files

backed up or how often the files were modified. This method, typically using one tape drive for one or two servers, was reliable and worked well for most small (and relatively static) networks; accidentally deleted files could be located and restored fairly easily, provided an administrator knew which tape or save set to use.

But now only one thing is certain: Networks continue to grow in...

23/3,K/38 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

01096253
Cartridge Tape Storage Fits PC.
MIS WEEK November 7, 1984 p. 14

... s Storagemaster 745 cartridge streaming tape system stores up to 45 Mbytes of information and ensures complete integrity of data transferred between hard-disc and backup tape storage, on a file -by-file basis or as an image copy of the total disc contents.

...

23/3,K/39 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

12361410 SUPPLIER NUMBER: 62599896 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Computer Forensics.
BIGLER, MARK
Internal Auditor, 57, 1, 53
Feb, 2000
ISSN: 0020-5745 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1719 LINE COUNT: 00144

... performed on a file server hard drive. The suspect's computer, or at least the hard drive from the computer, should be seized. A mirror image copy of the hard drive should be made, including all data in unallocated and slack space. Computer forensic software such as Sydex's SafeBack or Guidance...

...disk should be placed in an evidence locker and appropriate notations made in the evidence log. All computer forensics should be performed on the mirror image copy, never on the original.

The hard-drive copy should be searched for evidence of the alleged abuse, and all hidden and erased files should be identified. For DOS/Windows environments, the DOS command...

...be used to "un-hide" files. Commercial software products such as Symantec's Norton Utilities or Network Associates' Nuts & Bolts are available to assist in recovering erased files. Many erased files are recoverable if they haven't been overwritten too many times. Additionally, data in slack and unallocated space on the hard-drive copy can be linked together and viewed using Norton Utilities or New Technology Inc.'s (NTI's) Filter-I software tools.

As with the hard drive, a mirror- image copy of all electronic media should be made. Media such as 3.5" diskettes and Iomega Zip drive cartridges seized in the investigation should be subjected...

23/3,K/40 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

10941248 SUPPLIER NUMBER: 54343195 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Drive Image 2.0. (backup software) (Software Review) (Evaluation)
Riggs, Colby Mariva
Information Technology and Libraries, 18, 1, 41(1)
March, 1999

DOCUMENT TYPE: Evaluation

ISSN: 0730-9295

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 678 LINE COUNT: 00057

... step-by-step through the image creation process. The "Create Image" wizard aided in choosing the drives or partitions to copy, the destination of the **image copy**, the compression levels, and error-checking features. There were additional user-friendly wizards available to "Restore the Image" and perform "Disk to Disk" copy, used...

...order to create new customized images. One especially advantageous feature allows the user to select specific files from the drive image. This is useful in **recovering** inadvertently deleted or corrupted **files** without having to completely **restore** a partition. The editor also provides the ability to cut and paste between partitions to create new images.

Drive Image comes with Partition Magic, a...

23/3,K/41 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

10506529 SUPPLIER NUMBER: 53059660 (USE FORMAT 7 OR 9 FOR FULL TEXT)
BMC Software First to Deliver Application-Level Recovery Products.
Business Wire, 0167
Oct 6, 1998
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1287 LINE COUNT: 00121

... and locating a common point of consistency from which to recover. The product also supports popular applications like SAP R/3.
-- RECOVERY PLUS for IMS -- **recovers** DL/I **databases** and Fast Path DEDBs up to four times faster than the IMS utility. Critical IMS data is available sooner and users are productive more quickly...

...copies can be taken, requiring fewer logs to be recovered and speeding recoveries. The product also complements BMC Software's Snapshot technology for intelligent storage.

-- **IMAGE COPY** PLUS for IMS -- creates single image copies of DL/I databases and Fast Path DEDBs up to four times faster than the IMS utility. The product also creates up to 10 image copies of one database in approximately the same time the IMS utility creates one **image copy**. By copying multiple databases simultaneously, overall elapsed time is reduced.

-- PATROL(R) RECOVERY MANAGER -- performs automated, synchronized backup and recovery across multiple instances, types and...

...network. Also enables backup and recovery of logically related groups of distributed database objects across relational database management systems.

-- SQL-BackTrack(TM) -- automates many distributed **database** administration tasks, speeding the **backup** and recovery process and reducing errors while enabling safer, more reliable and efficient backup routines. The product supports all popular relational database systems, as well...

23/3,K/42 (Item 1 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2003 McGraw-Hill Co. Inc. All rts. reserv.

0364459

Answers to Unix

Unix World July, 1991; Pg 149; Vol. VIII, No. 7

Journal Code: UNIX

ISSN: 0739-5922

Section Heading: Answers to Unix

Word Count: 2,680 *Full text available in Formats 5, 7 and 9*

TEXT:

...too large.

Image copiers are programs that backup an entire disk partition, or volume, onto a tape or another partition. One advantage of an image **backup** over a **file -by- file backup** is speed, as the program doesn't have to construct headers and trailers and copy files one at a time. Instead, the disk volume itself is copied byte-by-byte.

An **image copy** writes everything in a disk partition to a device. Thus, most image copiers can only restore the entire disk partition-you can't just get back one file. However, the BSD 4.2 and 4.3 releases and SunOS restore commands have an interactive mode that lets you select individual **files** for **restoration**.

Image copiers come in two varieties: those that can do incremental copies and those that can only copy an entire disk partition. The BSD dump

...

23/3,K/43 (Item 1 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2003 ProQuest Info&Learning. All rts. reserv.

01797878 04-48869

Drive Image 2.0: PowerQuest

Riggs, Colby Mariva

Information Technology & Libraries v18n1 PP: 41-42 Mar 1999

ISSN: 0730-9295 JRNLD CODE: JLA

WORD COUNT: 638

...TEXT: step-by-step through the image creation process. The "Create Image" wizard aided in choosing the drives or partitions to copy, the destination of the **image copy**, the compression levels, and error-checking features. There were additional user-friendly wizards available to "Restore the Image" and perform "Disk to Disk" copy, used...

... order to create new customized images. One especially advantageous feature allows the user to select specific files from the drive image. This is useful in **recovering** inadvertently deleted or corrupted **files** without having to completely **restore** a partition. The editor also provides the ability to cut and paste between partitions to create new images.

Drive Image comes with Partition Magic, a...

23/3,K/44 (Item 2 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2003 ProQuest Info&Learning. All rts. reserv.

01386257 00-37244

Why do backups take so long? There is a solution

Bosetti, Max

Computer Technology Review v17n1 PP: 32-36 Jan 1997

ISSN: 0278-9647 JRNLD CODE: CTN

WORD COUNT: 1576

...TEXT: the files from all the various locations in the disk partition. This takes time to assemble.

Most software packages have an optional mode allowing disk **image copy**. This makes the process much faster because there is no need to assemble the files. The program just reads directly from disk whether it's...

... then sent to tape in the same sequence. As a result the tape data image follows that of the disk.

The downside to disk image **backup** is that no individual **file** can be **restored**. It may be located in various segments spread over one tape or perhaps many tapes. Restoring anything from this tape requires restoring everything on it...

23/3,K/45 (Item 3 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00997073 96-46466

In brief

Anonymous

Information Today v12n3 PP: 14 Mar 1995

ISSN: 8755-6286 JRNLD CODE: IFT

WORD COUNT: 562

...TEXT: service to the latest investment reports authored by leading analysts worldwide, are now available for delivery at extended hours.

Previously, customers could order a full- **image copy** of a PIPELINE report title until 6:00 PM Eastern Time. Now, delivery is available for orders placed up to 8:00 PM Eastem Time...

... The PIPELINE database provides notice of the latest investment research before this material is available online in machine-readable form. Each report is a complete **copy** of the analysts' **original** report, including all charts and graphs.

Customers can order PIPELINE reports online or over the phone. Reports will be faxed within three hours of request...

23/3,K/46 (Item 4 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00637903 92-52843

UPS "Dials" Up Fast Data on Deliveries

Ambrosio, Johanna

Computerworld v26n37 (Section 1) PP: 79-80 Sep 14, 1992

ISSN: 0010-4841 JRNLD CODE: COW

WORD COUNT: 635

...TEXT: then sent to the customer. Up to 188,000 inquiries can be processed each day.

The IMS and the most recent portions of the DB2 **database** are **backed up** daily using the DB2 **Image Copy** Facility. Two sets of backups are made: one for on-site storage and another that is located off-site. The off-site backups run for...

23/3,K/47 (Item 5 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00339941 86-40355

A Systems Solution to Read/Write Reliability Improves Tape Backup

Henry, Steve; Niquette, Mike

Computer Technology Review v6n1 PP: 99-105 Winter 1985

ISSN: 0278-9647 JRNLD CODE: CTN

...ABSTRACT: running DOS operating systems consists of 2 pieces of software: 1. an application program called HPTAPE, and 2. an installable

tape driver. Among the simplest backup methods to use is image copy .

23/3,K/48 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

01190385 CMP ACCESSION NUMBER: INW19990426S0037

SAN Backs Up Financial Assets

Mitch Wagner
INTERNETWEEK, 1999, n 762, PG19
PUBLICATION DATE: 990426
JOURNAL CODE: INW LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Clients & Servers
WORD COUNT: 680

... to take a snapshot of the database-a copy of all the information frozen at a particular point in time-and then use the mirror- image copy to make a backup at a remote location.

The company has 1.5 terabytes of storage at the backup location, including all the production data but not test data...

23/3,K/49 (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

00520411 CMP ACCESSION NUMBER: NWC19920101S4578
New Technologies for Large LANs
Barry Gerber
NETWORK COMPUTING, 1992, n 301 , 52
PUBLICATION DATE: 920101
JOURNAL CODE: NWC LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Features
WORD COUNT: 2673

... drive image for each server on the network to tape each night.

In the old days, the traditional method of backing up sufficed: A whole- image copy of the network's servers was done once a week or once a month, with incremental backups scheduled on a daily basis.

Administrators did not pay much attention to the types of files backed up or how often the files were modified. This method, typically using one tape drive for one or two servers, was reliable and worked well for most small (and relatively static) networks; accidentally deleted files could be located and restored fairly easily, provided an administrator knew which tape or save set to use.

But now only one thing is certain: Networks continue to grow in...

23/3,K/50 (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0906992 BW0398

BMC SOFTWARE: BMC Software Optimizes Availability, Performance and Recovery for SAP R/3 on OS/390

September 14, 1998

Byline: Business Editors/High-Tech Writers

...product includes customized features to identify and manage R/3 components.
-- The RECOVER PLUS for DB2(a) product simplifies the recovery

process and vastly reduces **recovery** time by **recovering** multiple **databases** and indexes through optimization and parallelism.

-- The COPY PLUS for DB2(a) product, with customized features for managing R/3 on OS/390, speeds and ensures data integrity when performing backups and provides true non-disruptive **image copy** capabilities.

The ASA for R/3 on OS/390 solutions are available today from BMC Software with additional R/3 on OS/390 customized solutions...

23/3,K/51 (Item 2 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0495176 BW0133

BMC SOFTWARE: BMC Software Expands Recovery Management Offerings -- Announces RECOVERY MANAGER for IMS; Push-Button Recovery Provides Automated, Fast and Accurate Recoveries

June 19, 1995

Byline: Business Editors/Computer Writers

...recovery products -- RECOVERY MANAGER for IMS integrates with BMC Software's other recovery products to provide a complete recovery solution. These products include RECOVERY PLUS, IMAGE COPY PLUS, POINTER CHECKER PLUS, SECONDARY INDEX UTILITY, and TRIMAR FAST PATH ANALYZER.

Integrated with online log analysis -- RECOVERY MANAGER for IMS summarizes IMS log data to give administrators the information they need to quickly determine appropriate recovery actions.

Additional capabilities -- RECOVERY MANAGER also allows administrators to group **databases** for **recovery** based on any set of criteria. In addition, RECOVERY MANAGER for IMS can perform **recovery** simulations without actually **recovering** the **database** .

Pricing and Availability

RECOVERY MANAGER for IMS is generally available from BMC Software, its agents and distributors worldwide. Prices start at \$21,500 (U.S. list). For more information...

23/9/44 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01386257 00-37244

Why do backups take so long? There is a solution

Bosetti, Max

Computer Technology Review v17n1 PP: 32-36 Jan 1997 ISSN: 0278-9647

JRNL CODE: CTN

DOC TYPE: Journal article LANGUAGE: English LENGTH: 3 Pages

SPECIAL FEATURE: Charts

WORD COUNT: 1576

ABSTRACT: Because disk space is being added at unbelievable rates, the need for increased backup capacity is growing. At the same time, most systems are being used more, which means less time is available for backup. So backup has to be done faster. Some ways to do this include: 1. using the disk image copy option included in most software packages, 2. maximizing memory or moving to a faster disk drives, 3. trying two SCSI adapters to run two backup jobs concurrently, and 4. using a faster tape drive.

TEXT: Tape backups notoriously take too long, and with the amount of data being stored and the shrinking backup window, the standard backup time involved is not acceptable. This article is aimed at showing where the bottlenecks are and just what specific options are available to overcome them.

Bottlenecks

The tape backup process can be thought of as a string of elements which are involved in delivering data to a tape device. These elements are illustrated in the Figure.

Key point #1

All these elements are in series! If any of them are slow, the whole job slows.

The tape backup job goes into the Software-perhaps Novaback or Cheyenne or even an HSM package-and the result ends up on the Tape Device. In between, the job had to be handled by the CPU, the disk, the I/O channel and so on. It's similar to the old adage about the weakest link in a chain. In this case, the concern lies with the slowest link in the chain.

Software Tradeoffs

There are many software programs that can provide the basic backup function in the OPEN Systems environment. It has become common to see these packages become embellished with Hierarchical Storage Management (HSM) functions as well. What's more, most of these packages include the capability to operate random access tape libraries. But these new features and capabilities do not affect the speed of backup, only the convenience.

All software must retrieve the data from disk first. Then it has to send it on to the I/O channel. In doing this, the disk operating system and the disk controller usually reconstruct files by retrieving the many segments of the files from all the various locations in the disk partition. This takes time to assemble.

Most software packages have an optional mode allowing disk **image copy**. This makes the process much faster because there is no need to assemble the files. The program just reads directly from disk whether it's one file or many. That data is then sent to tape in the same sequence. As a result the tape data image follows that of the disk.

The downside to disk **image backup** is that no individual **file** can be **restored**. It may be located in various segments spread over one tape or perhaps many tapes. Restoring anything from this tape requires restoring

everything on it. But it is an alternative for situations where backup must be made faster.

CPU And Disk Tradeoffs

The CPU can be further detailed by considering it as an assembly consisting of a processor, disk drive(s) and memory. In looking at backup speed, the processor has the least impact while disk and memory have the most. What's more, the disk actuator time can be a significant factor in backup speed. If it takes 1,000 seeks to recreate each file and there are 10,000 files taking 30ms per seek it is easy to see how the disk is involved in the speed equation.

Key point #2

Assuming a processor change is not feasible, the next best bet is to maximize memory or upgrade the disk to faster devices-whichever is more practical.

Memory has a similar effect. Most manufacturers rate their CPUs under the condition of maximum memory. If less than maximum memory is used, then the operating system must take the data from the disk in smaller chunks thereby requiring more trips to the disk. Since memory access is the fastest storage resource available then the more memory used means that much less disk. Or conversely, the less memory used the more the disk is used and that results in slower backups.

I/O Channel

Over the years, there have been many I/O channels used for tape. The early interfaces on PCs were either proprietary requiring special adapted boards or were a generic type using the printer port. With the introduction of large servers SCSI became the choice for tape interfaces. That is still true at the time of writing this article. With SCSI as a convenient standard, many manufacturers adopted it to the point where there are 20 or more manufacturers of SCSI adapters for use with tape. What's more most of these adapters are now SCSI FAST/WIDE which means bandwidth capability in the 20MB/s range.

Key point #3

Do not invest in a new I/O controller until there is solid evidence that it is the limiting item.

One general point: It is probably rare to find the system where the I/O channel is the bottleneck. It should be the last improvement made to the system because most systems are limited in the other areas.

In the 1996 world the bottleneck is more likely to be found in the CPU or the tape device.

Regardless of whether the I/O channel is limiting or not there is another option available to computer users. It is feasible to install two SCSI adapters in one server or workstation in order to create two I/O channels. If the tape system has two input ports then two backup jobs can be done concurrently. Interestingly, two concurrent backups can save substantial time if the tape drive is a true concurrent device. Concurrent backups can provide time savings of up to 40% in doing the backup. And this was found on a relatively slow system. One caveat: Make certain that the tape unit is truly concurrent; some products are available as two independent drives and the resulting performance cannot match true concurrent operation because of SCSI bus contention problems. At this time, the only two truly concurrent drives are the IBM 7208-234 (unique to AS400) and the Ai Golden Gate series (OPEN Systems and AS400).

Key point #4

Check the system to see if the host computer can be used with two SCSI adapters.

By running the two backup jobs concurrently, one can expect up to 45 percent reduction in backup window without making any other system changes. And the cost to add the second port is approximately \$300 for most servers.

Peripheral Controller

A peripheral controller is used in the more advanced tape sub-systems. It performs functions such as Concurrent Dual port, Dual drive, MIRROR and OFF-LINE COPY among others.

The advantage of MIRROR mode is that the backup is done on two tapes instead of one thereby providing a copy for offsite storage. This is a good practice for those sites storing critical information. Remember, more files are destroyed by accident than are lost by disk problems. When examining a MIRROR tape system, make certain that the MIRROR operation does not significantly reduce the backup speed of one drive alone. There are many tape drives available which do not have the bandwidth necessary to support MIRROR mode.

The peripheral controller is also important in implementing the dual port approach mentioned above. Some tape system manufacturers try to achieve concurrent operation by in-stalling a complete tape system on each of the two ports. However, in order to keep the cost competitive, they use inexpensive peripheral controllers which are limited in bandwidth. As a result, nearly all of the performance gain from using two channels is sacrificed by the use of slow speed controllers. American International is currently the only manufacturer in the OPEN systems and AS400 market to offer a single board, true concurrent design. As in all cases, "Fly-before-you-buy" is the watchword in trying to improve backup speed.

Tape Devices

The last element in the backup chain is the tape device itself. This can be a QIC (Quarter-inch) drive at 200KB/s or it can be a Magstar drive at 9MB/s. Although the drive can be the limiting element in the backup process the 8mm drives can keep up with most host systems. In those cases the bottleneck tends to be the CPU/disk.

Key point #5

If your tape device is running at maximum speed during a backup, it is a candidate to be replaced with a faster device.

If the drive is running substantially under its rated speed, then it is not the limiting element in the backup. By simple observation a technician familiar with the drive in question can usually determine if it is at or near rated speed.

One additional point concerns the Tape Device. Many of today's tape drives attain their maximum rated speed while "streaming." All the drives used on today's computer systems only move tape when they have data available to write. If the drive needs more data and if there is no data available to the drive, the drive will momentarily stop. The process of stopping and then subsequently starting up takes anywhere from 1 second to 30 seconds depending upon the drive type.

So it becomes important to keep the drive streaming. And the only way to do that is to keep a steady flow of data coming through the CPU and the I/O Channel. If the Peripheral Controller has an adequate buffer (1MB or more) the system has a much improved probability of streaming.

Summary

Because disk is being added at unbelievable rates, the need for increased backup capacity is growing. At the same time, most systems are being used more which means less time is available for backup. So backup has to be done faster. This article is an attempt to identify several ways to optimize the process and speed up the backup while staying with the same system architecture. Keep in mind the key points.

25/9/5 (Item 3 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02635332 Supplier Number: 45335261 (THIS IS THE FULLTEXT)

BMC SOFTWARE ADDS TO ENTERPRISE-WIDE RECOVERY SOLUTIONS

M2 Presswire, pN/A

Feb 14, 1995

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 639

TEXT:

M2 PRESSWIRE-14 February 1995-BMC SOFTWARE ADDS TO ENTERPRISE-WIDE RECOVERY SOLUTIONS - New Products Further Automate and Speed Database Recoveries
(C)1994 M2 COMMUNICATIONS LTD

RDATE: 010295

BMC Software has announced the general availability of two new recovery solutions for DB2 - R+/CHANGE ACCUM and R+/RESOURCE MAXIMIZER. These are the latest additions to the company's enterprise-wide backup and recovery strategy. In addition, a new release of RECOVERY PLUS, Version 2.1, is now generally available.

The goal of BMC Software's enterprise-wide backup and recovery strategy is to ensure automated, accurate and fast recoveries, whether business-critical data resides on one DBMS or many, on one platform or many. The plan encompasses automated backup and recovery management,, high speed backup and recovery utilities and the functionality necessary to co-ordinate recoveries across heterogeneous platforms.

A key element of the strategy is RECOVER PLUS, high-speed utility that recovers table and index spaces two to eight times faster than the IBM DB2 V3 Recover Utility. RECOVER PLUS from BMC Software also reduces CPU time by up to 70 percent.

As one of two new recovery products, R+/CHANGE ACCUM speeds the recovery process by significantly reducing the amount of log data that must be applied during a recovery. **Change accumulation** is a process that creates a compacted version of one or more log data sets. R+/CHANGE ACCUM reduces the amount of log data by pre- processing the DB2 logs and extracting only the information pertinent to a recovery. The number of required image copies is reduced while availability is increased.

The second new recovery product, R+/RESOURCE MAXIMIZER, offers a way to recover data from dropped objects and enables data migration. When an object is dropped, the associated image copies and log are still available. The problem is that DB2 doesn't recognise them and therefore cannot use them.

R+/RESOURCE MAXIMIZER recovers the data using RECOVER PLUS and translates the old object ID from the image copies and log to match the new ID of the re-created table space. It then combines the copies and log records to populate the database.

A similar ID translation makes it possible to create copies for use at an off-site facility or for migration from production subsystems to test subsystems at the same site. R+/RESOURCE MAXIMIZER uses the **image copy** and log data, creates a new table space or sequential file, and translates the old ID to a new ID. In each case, data remains available to users.

"We have built our recovery toolset with an eye toward providing solutions, not just point products," said Peter Armstrong International Support Centre Manager, BMC. "As a result, products like R+/CHANGE ACCUM and R+/RESOURCE MAXIMIZER are architected to take advantage of the powerful RECOVER PLUS engine in a variety of situations from preparing for recoveries to recovering dropped table spaces to migrating data. Customers have requested this flexibility in handling DB2 copies and logs and we are happy to deliver it to them with R+/CHANGE ACCUM, R+/RESOURCE MAXIMIZER and the new version of RECOVER PLUS." Both R+/CHANGE ACCUM and R+/RESOURCE MAXIMIZER have unique capabilities that cannot be handled by IBM's DB2 Recovery- Utility. Therefore implementation of these products is viable only with BMC Software's RECOVERY PLUS.

25/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02509072 SUPPLIER NUMBER: 75260676 (USE FORMAT 7 OR 9 FOR FULL TEXT)
New IBM DB2/IMS Tools. (Company Business and Marketing)
Intelligent Enterprise, 4, 8, 9
May 24, 2001
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 183 LINE COUNT: 00020

The following tools are available as of March 30, 2001:

- * DB2 Administration
- * DB2 Archive Log Compression Tool
- * DB2 Automation Tool
- * DB2 Bind Manager
- * DB2 Change Accumulation Tool
- * DB2 Log Analysis Tool
- * DB2 Object Comparison Tool
- * DB2 SQL Performance Analyzer
- * DB2 Table Editor
- * IMS Command Control Facility
- * IMS Database Control Suite
- * IMS Database Repair Facility
- * IMS Fast Path Online Tools
- * IMS High Performance Pointer Checker
- * IMS High Performance Sysgen Tools
- * IMS Image Copy Extensions
- * IMS Message Format Services Reversal Utilities
- * IMS Online Recovery Service.

New with DB2 UDB v.7 for OS/390 and z/OS, IBM is...

25/3,K/2 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou. (R)
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02825708 Supplier Number: 71248904 (USE FORMAT 7 FOR FULLTEXT)
IBM Tightens the Screws on Database Tools Field.
Business Wire, p2112
March 6, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 508

... to reduce customers' total cost of database ownership.

New data management tools announced for DB2 include DB2 Archive Log Compression Tool, DB2 Automation Tool, DB2 Change Accumulation Tool, DB2 Object Comparison Tool, and DB2 Table Editor. DB2 utility functions are now offered as DB2 Diagnostic and Recovery Utilities, DB2 Operational Utilities, and...

...Manager, DB2 Log Analysis Tool, DB2 SQL Performance Analyzer, IMS Database Repair Facility, IMS Fast Path Online Tools, IMS High Performance Pointer Checker and IMS Image Copy Extensions.

More than 40 million people from more than 300,000 companies worldwide rely on IBM data management technology. For additional information on IBM's...

25/3,K/3 (Item 1 from file: 636)
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04962998 Supplier Number: 73370418 (USE FORMAT 7 FOR FULLTEXT)
IBM DB TOOLS SALES GROWTH REFLECTS DB ADMIN SKILLS SHORTAGE. (Company
Business and Marketing)
Online Product News, v20, n5, pNA

May, 2001

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 480

... to reduce customers' total cost of database ownership.

New data management tools announced for DB2 include DB2 Archive Log Compression Tool, DB2 Automation Tool, DB2 Change Accumulation Tool, DB2 Object Comparison Tool, and DB2 Table Editor. DB2 utility functions are now offered as DB2 Diagnostic and Recovery Utilities, DB2 Operational Utilities, ...Manager, DB2 Log Analysis Tool, DB2 SQL Performance Analyzer, IMS Database Repair Facility, IMS Fast Path Online Tools, IMS High Performance Pointer Checker and IMS Image Copy Extensions.

More than 40 million people from more than 300,000 companies worldwide rely on IBM data management technology.

For additional

25/3,K/4 (Item 2 from file: 636)

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04937586 Supplier Number: 71843205 (USE FORMAT 7 FOR FULLTEXT)

IBM TIGHTENS SCREWS ON DATABASE TOOLS COMPETITION.

Worldwide Databases, v13, n4, pNA

April, 2001

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 480

... to reduce customers' total cost of database ownership.

New data management tools announced for DB2 include DB2 Archive Log Compression Tool, DB2 Automation Tool, DB2 Change Accumulation Tool, DB2 Object Comparison Tool, and DB2 Table Editor. DB2 utility functions are now offered as DB2 Diagnostic and Recovery Utilities, DB2 Operational Utilities, ...Manager, DB2 Log Analysis Tool, DB2 SQL Performance Analyzer, IMS Database Repair Facility, IMS Fast Path Online Tools, IMS High Performance Pointer Checker and IMS Image Copy Extensions.

More than 40 million people from more than 300,000 companies worldwide rely on IBM data management technology.

For additional

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02635332 Supplier Number: 45335261 (USE FORMAT 7 FOR FULLTEXT)

BMC SOFTWARE ADDS TO ENTERPRISE-WIDE RECOVERY SOLUTIONS

M2 Presswire, pN/A

Feb 14, 1995

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 639

... new recovery products, R+/CHANGE ACCUM speeds the recovery process by significantly reducing the amount of log data that must be applied during a recovery. Change accumulation is a process that creates a compacted version of one or more log data sets. R+/CHANGE ACCUM reduces the amount of log data by...

...for use at an off -site facility or for migration from production subsystems to test subsystems at the same site. R+/RESOURCE MAXIMIZER uses the image copy and log data, creates a new table space or sequential file, and translates the old ID to a new ID. In each case, data remains...

25/3,K/6 (Item 4 from file: 636)

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02600153 Supplier Number: 45258893 (USE FORMAT 7 FOR FULLTEXT)
BMC OFFERS RECOVERY SOLUTIONS FOR DB2
Report on IBM, v12, n2, pN/A
Jan 11, 1995
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 423

... new recovery products, R+/CHANGE ACCUM speeds the recovery process by significantly reducing the amount of log data that must be applied during a recovery. Change accumulation is a process that creates a compacted version of one or more log data sets. R+/CHANGE ACCUM reduces the amount of log data by...

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25/3,K/7 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08002235 SUPPLIER NUMBER: 17289724 (USE FORMAT 7 OR 9 FOR FULL TEXT)
BMC Software Announces Basics/DB - A New Line of Economical IMS Database Utilities; Multi-Tiered Product Approach Allows Customers to Choose Products that Fit their Computing Requirements and Budget.
Business Wire, p7190089
July 19, 1995
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 810 LINE COUNT: 00086

... to the new Basics/DB line.
BMC Software's existing IMS utilities include: -- LOAD PLUS (R) -- UNLOAD PLUS (R) -- SECONDARY INDEX UTILITY -- FAST REORG FACILITY -- IMAGE COPY PLUS -- RECOVERY PLUS -- POINTER CHECKER PLUS -- PREFIX RESOLUTION PLUS -- DATABASE INTEGRITY PLUS -- CHANGE ACCUMULATION PLUS
Pricing and Availability
The Basics/DB family has been generally available from BMC Software and its agents and distributors worldwide since June 28, 1995...

25/3,K/8 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00172207 82-13768
A Close Look at IMS/vs 1.2
Konopolsky, Irwin
Computerworld v16n19 PP: In Depth 11-20 May 10, 1982
ISSN: 0010-4841 JRNL CODE: COW

...ABSTRACT: DBRC feature is a prerequisite for the Data Sharing feature. To help control backup and recovery, DBRC records in its Recon data sets information concerning image copy, change accumulation, database recovery and IMS log data sets. The IMS/VIS 1.2 also offers full support for the 3375 and 3380 DASD. There are several...